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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: SRIRAM K ASTURI Examiner #:            Date: 9/10/08  
Art Unit: 1612 Zone Number: E-C-526.2 Serial Number: 10581447  
Location (City/Room): 1003 P, Mailbox C, 4C TO Results Format: Preferred (check): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or file all the following:

Title of Invention: Active Compound Penicillamine having insecticidal and  
Inventors (please provide full names): Please see attached Bib data sheet, chemical properties,  
applicants claims, printed and claims.

Earliest Priority Date: \_\_\_\_\_

Search Topic:

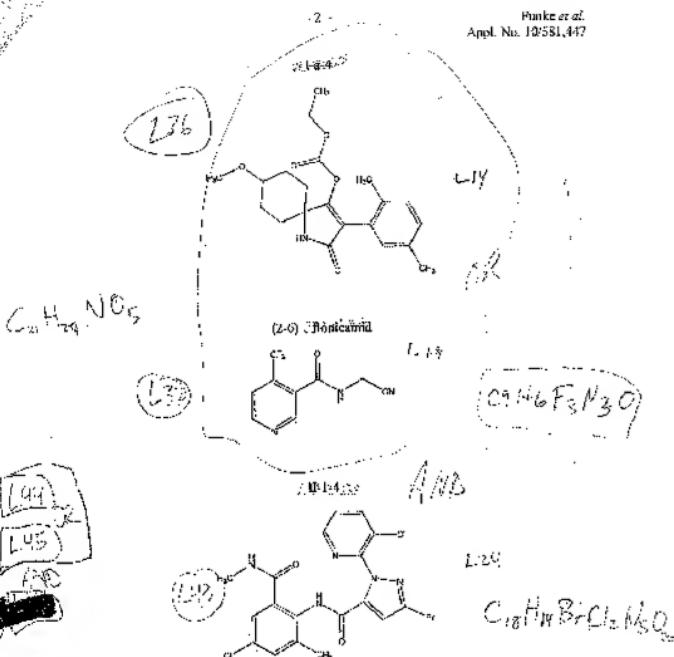
Please provide a detailed statement of the search topic, and do so as specifically as possible the subject matter to be searched. Include the elevated species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or entity of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, copies, etc., if known.

\*For Reference Searches Only: Please include all pertinent information (parent, child, divisional) or issued patent numbers along with the appropriate serial numbers.

please see attached documents

Thank you.

Punko et al.  
Appl. No. 10/581,447



This elicitation is made with inverse. The Examiner has failed to place claim 10 into either Group I or Group II. The claims of Group I are directed to compositions comprising compounds of formula I or group II, and compounds of formula II; claim 10 is directed to the preparation of compositions comprising these compounds, and the

Atty. Dkt. No. 2400 0450000VLC/DAH

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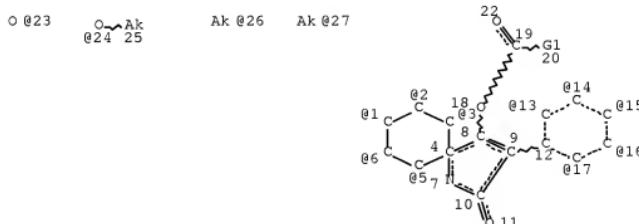
FILE COVERS 1907 - 11 Sep 2008 VOL 149 ISS 11  
 FILE LAST UPDATED: 10 Sep 2008 (20080910/ED)

HCplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L5 STR

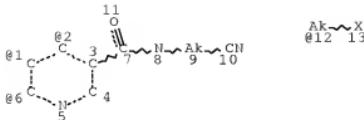


O @28

VAR G1=23/24  
 VPA 26-13/14/15 U  
 VPA 27-13/14/15/16/17 U  
 VPA 28-3/2/1/6/5 U  
 NODE ATTRIBUTES:  
 CONNECT IS E1 RC AT 23  
 CONNECT IS E1 RC AT 25  
 CONNECT IS E1 RC AT 26  
 CONNECT IS E1 RC AT 27  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

L14 144 SEA FILE=REGISTRY SSS FUL L5  
L17 STR

VPA 12-2/1/6 U

NODE ATTRIBUTES:

CONNECT IS E2 RC AT 9

DEFAULT MLEVEL IS ATOM

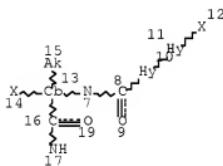
GGCAT IS SAT AT 9

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE

L19 324 SEA FILE=REGISTRY SSS FUL L17  
L21 STR

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 15

DEFAULT MLEVEL IS ATOM

GGCAT IS MCY UNS AT 10

GGCAT IS UNS AT 11

GGCAT IS MCY UNS AT 13

GGCAT IS SAT AT 15

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E3 C E2 N AT 10

ECOUNT IS M5 C M1 N AT 11

ECOUNT IS E6 C AT 13

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L22 99757 SEA FILE=REGISTRY ABB=ON PLU=ON N2C3/ES AND C6/ES AND

NC5/ESS AND NR>2 AND NRS>2  
L24 953 SEA FILE=REGISTRY SUB=L22 SSS FUL L21  
L25 35 SEA FILE=CAPLUS ABB=ON PLU=ON (L14 OR L19) AND L24  
L27 10327 SEA FILE=HCAPLUS ABB=ON PLU=ON ACARICIDES+PFT/CT  
L28 78251 SEA FILE=HCAPLUS ABB=ON PLU=ON INSECTICIDES+PFT/CT  
L29 32 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND (L27 OR L28)  
L30 35 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 OR L29

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L30 ANSWER 1 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2008:806528 HCAPLUS Full-text  
DOCUMENT NUMBER: 149:97685  
TITLE: Pesticide composition comprising propamocarb-  
hydrochloride and an insecticide active substance  
INVENTOR(S): Van Den Eynde, Koen; Thielert, Wolfgang; Hungenberg,  
Heike  
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
SOURCE: PCT Int. Appl., 29pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077926	A2	20080703	WO 2007-EP64425	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127176 A 20061222

OTHER SOURCE(S): MARPAT 149:97685

AB The present invention relates to a pesticide composition intended for protecting plants, crops or seeds against phytopathogenic fungi or damaging insects, and the corresponding methods of treatment using the said composition. More precisely, the pesticide composition is based on propamocarb-HCl, an insecticide, and optionally a further fungicide. Thus, propamocarb-thiacloprid mixture at 200 + 20 ppm synergistically controlled *Plutella xylostella* on cabbage, with 80% mortality at 4 days after leaves were treated and infested with larvae.

IC ICM A01N

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(pesticide composition comprising propamocarb-hydrochloride, an insecticide,  
and optionally a further fungicide)

IT 137-26-8D, Thiram, mixts. with propamocarb-hydrochloride and insecticides  
1897-45-6D, Chlorothalonil, mixts. with propamocarb-hydrochloride and  
insecticides 5234-68-4D, Carboxin, mixts. with propamocarb-hydrochloride

and insecticides 8018-01-7D, Mancozeb, mixts. with propamocarb-hydrochloride and insecticides 9006-42-2D, Metiram, mixts. with propamocarb-hydrochloride and insecticides 10004-44-1D, Hymexazole, mixts. with propamocarb-hydrochloride and insecticides 12071-83-9D, Propineb, mixts. with propamocarb-hydrochloride and insecticides 12427-38-2D, Maneb, mixts. with propamocarb-hydrochloride and insecticides 13598-36-2D, Phosphorous acid, mixts. with propamocarb-hydrochloride and insecticides, biological studies 39148-24-8D, Fosetyl Al, mixts. with propamocarb-hydrochloride and insecticides 55219-65-3D, Triadimenol, mixts. with propamocarb-hydrochloride and insecticides 57837-19-1D, Metalaxyl, mixts. with propamocarb-hydrochloride and insecticides 57966-95-7D, Cymoxanil, mixts. with propamocarb-hydrochloride and insecticides 66246-88-6D, Fenconazole, mixts. with propamocarb-hydrochloride and insecticides 70630-17-0D, Mefenoxam, mixts. with propamocarb-hydrochloride and insecticides 71626-11-4D, Benalaxyd, mixts. with propamocarb-hydrochloride and insecticides 76674-21-0D, Flutriafol, mixts. with propamocarb-hydrochloride and insecticides 79622-59-6D, Fluazinam, mixts. with propamocarb-hydrochloride and insecticides 79983-71-4D, Hexaconazole, mixts. with propamocarb-hydrochloride and insecticides 98243-83-5D, Benalaxyd-M, mixts. with propamocarb-hydrochloride and insecticides 107534-96-3D, Tebuconazole, mixts. with propamocarb-hydrochloride and insecticides 110488-70-5D, Dimethomorph, mixts. with propamocarb-hydrochloride and insecticides 120116-88-3D, Cyazofamid, mixts. with propamocarb-hydrochloride and insecticides 125225-28-7D, Ipconazole, mixts. with propamocarb-hydrochloride and insecticides 131341-86-1D, Fludioxonil, mixts. with propamocarb-hydrochloride and insecticides 131983-72-7D, Triticonazole, mixts. with propamocarb-hydrochloride and insecticides 136426-54-5D, Fluquinconazole, mixts. with propamocarb-hydrochloride and insecticides 141517-21-7D, Trifloxystrobin, mixts. with propamocarb-hydrochloride and insecticides 178928-70-6D, Prothioconazole, mixts. with propamocarb-hydrochloride and insecticides 183675-82-3D, Pentiopyrad, mixts. with propamocarb-hydrochloride and insecticides 237055-17-3D, mixts. with propamocarb-hydrochloride and insecticides 361377-29-9D, Fluoxastrobin, mixts. with propamocarb-hydrochloride and insecticides 374726-62-2D, Mandipropamid, mixts. with propamocarb-hydrochloride and insecticides 413615-35-7D, Benthiavalicarb, mixts. with propamocarb-hydrochloride and insecticides 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide, mixts. with propamocarb-hydrochloride and insecticides 1035350-31-2, Propamocarb-thiacloprid mixture 1035350-32-3, Clothianidin-propamocarb mixture 1035350-33-4, Imidacloprid-propamocarb mixture 1035350-34-5, Propamocarb-thiamethoxam mixture 1035350-35-6, Abamectin-propamocarb hydrochloride mixture 1035350-36-7, Acephate-propamocarb hydrochloride mixture 1035350-37-8, Acetaniprid-propamocarb hydrochloride mixture 1035350-38-9, Acrinathrin-propamocarb hydrochloride mixture 1035350-39-0, Aldicarb-propamocarb hydrochloride mixture 1035350-40-3, Alpha-cypermethrin-propamocarb hydrochloride mixture 1035350-41-4, Bifenthrin-propamocarb hydrochloride mixture 1035350-42-5, Carbaryl-propamocarb hydrochloride mixture 1035350-43-6, Carbofuran-propamocarb hydrochloride mixture 1035350-44-7, Chlorfenapyr-propamocarb hydrochloride mixture 1035350-45-8, Chlorfluazuron-propamocarb hydrochloride mixture 1035350-46-9 1035350-47-0 1035350-48-1, Cyfluthrin-propamocarb hydrochloride mixture 1035350-49-2 1035350-50-5, Cyromazine-propamocarb hydrochloride mixture 1035350-51-6, Deltamethrin-propamocarb hydrochloride mixture 1035350-52-7, Diflubenzuron-propamocarb hydrochloride mixture 1035350-53-8, Dinotefuran-propamocarb hydrochloride mixture 1035350-54-9 1035350-55-0, Ethiprole-propamocarb hydrochloride mixture 1035350-56-1,

Fenpyroximate-propamocarb hydrochloride mixture 1035350-57-2,  
 Fipronil-propamocarb hydrochloride mixture 1035350-58-3,  
 Flonicamid-propamocarb hydrochloride mixture 1035350-59-4,  
 Flubendiamide-propamocarb hydrochloride mixture 1035350-60-7,  
 Flufenoxuron-propamocarb hydrochloride mixture 1035350-61-8,  
 Gamma-cyhalothrin-propamocarb hydrochloride mixture 1035350-62-9,  
 Hexaflumuron-propamocarb hydrochloride mixture 1035350-63-0,  
 Imidacloprid-propamocarb hydrochloride mixture 1035350-64-1,  
 Indoxacarb-propamocarb hydrochloride mixture 1035350-65-2 1035350-66-3,  
 Lepimectin-propamocarb hydrochloride mixture 1035350-67-4,  
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 Methanidophos-propamocarb hydrochloride mixture 1035350-69-6  
 1035350-70-9, Methomyl-propamocarb hydrochloride mixture 1035350-72-1,  
 Methoxyfenozide-propamocarb hydrochloride mixture 1035350-73-2,  
 Milbemycin-propamocarb hydrochloride mixture 1035350-74-3,  
 Nitencytan-propamocarb hydrochloride mixture 1035350-75-4,  
 Novaluron-propamocarb hydrochloride mixture 1035350-76-5,  
 Profenofos-propamocarb hydrochloride mixture 1035350-77-6, Propamocarb  
 hydrochloride-pymetrozine mixture 1035350-78-7, Propamocarb  
 hydrochloride-rynaxypyrr mixture 1035350-79-8 1035350-80-1, Propamocarb  
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 Propamocarb hydrochloride-tebufenozide mixture 1035350-84-5, Propamocarb  
 hydrochloride-tebufenpyrad mixture 1035350-85-6, Propamocarb  
 hydrochloride-tebufenpyrad mixture 1035350-86-7, Propamocarb  
 hydrochloride-teflubenzuron mixture 1035350-87-8, Propamocarb  
 hydrochloride-tefluthrin mixture 1035350-88-9, Propamocarb  
 hydrochloride-thiacloprid mixture 1035350-89-0, Propamocarb  
 hydrochloride-thiamethoxam mixture 1035350-90-3, Propamocarb  
 hydrochloride-thiodicarb mixture 1035350-91-4, Propamocarb  
 hydrochloride-triazophos mixture 1035350-93-6, Propamocarb  
 hydrochloride-triflumuron mixture 1035350-95-8, Imidaclothiz-propamocarb  
 hydrochloride mixture 1035350-96-9

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (pesticide composition for protecting plants or seeds from phytopathogenic  
 fungi or damaging insects)

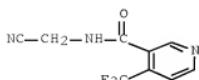
IT 1035350-55-3, Flonicamid-propamocarb hydrochloride mixture  
 1035350-78-7, Propamocarb hydrochloride-rynaxypyrr mixture  
 1035350-82-3

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (pesticide composition for protecting plants or seeds from phytopathogenic  
 fungi or damaging insects)

RN 1035350-58-3 HCPLUS  
 CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



CM 2

CRN 25606-41-1  
 CMF C9 H20 N2 O2 . Cl H

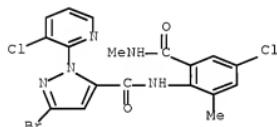


● HCl

RN 1035350-78-7 HCPLUS  
 CN INDEX NAME NOT YET ASSIGNED

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CRN 500008-45-7  
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CM 2

CRN 25606-41-1  
 CMF C9 H20 N2 O2 . Cl H



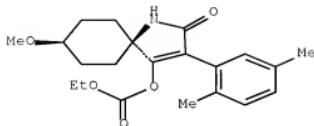
● HCl

RN 1035350-82-3 HCPLUS  
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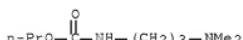
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 25606-41-1  
 CMF C9 H20 N2 O2 . Cl H



● HCl

L30 ANSWER 2 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:806527 HCPLUS Full-text  
 DOCUMENT NUMBER: 149:97684  
 TITLE: Pesticidal composition comprising a  
 2-pyridylmethylbenzamide derivative and an insecticide  
 compound  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Buschermoehle,  
 Alexander  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 47pp.  
 CODEN: PIXDZ2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077924	A2	20080703	WO 2007-EP64423	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

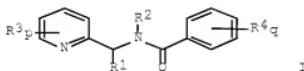
EP 2006-127149

A 20061222

OTHER SOURCE(S):

MARPAT 149:97684

GI



**AB** A synergistic pesticidal composition comprises (A) a pyridylmethylbenzamide derivative (I; R1 = H, (un)substituted alkyl, (un)substituted acyl; R2 = H, (un)substituted alkyl; R3, R4 independently = halo, OH, CN, NO<sub>2</sub>, etc.; p, q = 0-4 integer) and (B) an insecticide in an (A)/(B) weight ratio from 1/1000 to 1000/1. Such a composition may include an addnl. fungicidal compound A method for preventively or curatively controlling phytopathogenic fungi and insects involves applying such a composition to crop plants, plant organs, or to soil or substrates for growth.

**IC** ICM A01N**CC** 5-4 (Agrochemical Bioregulators)**IT** Insecticides

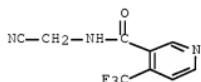
(synergistic pesticidal compns. comprising pyridylmethylbenzamides and insecticides)

**IT** 63-25-2D, Carbaryl, mixts. containing 116-06-3D, Aldicarb, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2921-88-2D, Chlorpyrifos E, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 16752-77-5D, Methomyl, mixts. containing 24017-47-8D, Triazophos, mixts. containing 30560-19-1D, Acephate, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35854-47-8D, derivs., mixts. containing 41198-08-7D, Profenofos, mixts. containing 51570-36-6D, Milbemycin, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71751-41-2D, Abamectin, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79538-32-2D, Tefluthrin, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 91465-08-6D, λ-Cyhalothrin, mixts. containing 96182-53-5D, Tebufenpirimphos, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 112410-23-8D, Tebufenozone, mixts. containing 116714-46-6D, Novaluron, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 120068-37-3D, Fipronil, mixts. containing 122453-73-0D, Chlorgafenapyr, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing

138261-41-3D, Imidacloprid, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153719-23-4D,  
 Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing  
 168316-95-8D, Spinosad, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210880-92-5D, Clothianidin, mixts. containing  
 239110-15-7D, Fluopicolide, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 500008-45-7D, Rynaxypyr, mixts. containing 863549-51-3D, Lepimectin, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (synergistic pesticidal compns. comprising pyridylmethylbenzamides and insecticides)

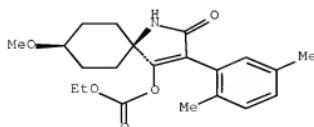
IT 158062-67-0D, Flonicamid, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 500008-45-7D, Rynaxypyr, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (synergistic pesticidal compns. comprising pyridylmethylbenzamides and insecticides)

RN 158062-67-0 HCPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



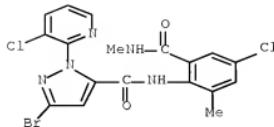
RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-

[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 3 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:805951 HCPLUS Full-text  
 DOCUMENT NUMBER: 149:97693  
 TITLE: Pesticide composition comprising fosetyl-aluminum,  
 propamocarb-HCl and an insecticide active substance  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde,  
 Koen  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany  
 SOURCE: PCT Int. Appl., 31pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077931	A2	20080703	WO 2007-EP64430	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127178 A 20061222

OTHER SOURCE(S): MARPAT 149:97693

AB The present invention relates to a pesticide composition intended for protecting plants, crops or seeds against phytopathogenic fungi or damaging insects, and the corresponding methods of treatment using the said composition. More precisely, the subject of the present invention is a pesticide composition based on fosetyl-Al, propamocarb-HCl, an insecticide active substance and optionally a further fungicide active substance.

CC 5-6 (Agrochemical Bioregulators)

IT 63-25-2, Carbaryl 116-06-3, Aldicarb 1563-66-2, Carbofuran 1897-45-6, Chlorothalonil 2032-65-7, Methiocarb 2921-88-2, Chlorpyrifos 5234-68-4, Carboxin 10265-92-6, Methamidophos 16752-77-5, Methomyl 24017-47-8, Triazophos 30560-19-1, Acephate 35367-38-5, Diflubenzuron 41198-08-7, Profenofos 51570-36-6,

Milbemycin 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 59669-26-0, Thiodicarb 64628-44-0, Triflumuron 66215-27-8, Cyromazine 67375-30-8, Alpha-cypermethrin 68359-37-5, BBta-cyfluthrin 71422-67-8, Chlorfluazuron 71626-11-4, Benalaxyd 71751-41-2, Abamectin 76703-62-3, Gamma-cyhalothrin 79538-32-2, Tefluthrin 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 96182-53-5, Tebupirimphos 98243-83-5, Benalaxyd-M 101007-06-1, Acrithrin 103055-07-8, Lufenuron 105843-36-5, Imidaclothiz 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 120116-88-3, Cyazofanid 122453-73-0, Chlорfenапyr 123312-89-0, Pymetrozine 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 148477-71-8, Spirodiclofen 150824-47-8, Nitenpyram 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb 203313-25-1, Spirotetramat 283594-90-1, Spiromesifen 413615-35-7, Benthiavalicarb 500008-45-7, Rynaxypyr 863549-51-3, Lepimectin 1035094-56-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (pesticide composition comprising fosetyl-aluminum, propamocarb-HCl and insecticide active substance)

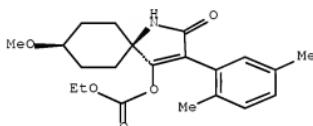
IT 203313-25-1, Spirotetramat 500008-45-7, Rynaxypyr

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (pesticide composition comprising fosetyl-aluminum, propamocarb-HCl and insecticide active substance)

RN 203313-25-1 HCPLUS

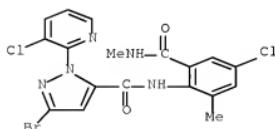
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



ACCESSION NUMBER: 2008:805860 HCPLUS Full-text  
 DOCUMENT NUMBER: 149:97680  
 TITLE: Pesticide composition comprising propamocarb-fosetylate and an insecticidally active substance  
 INVENTOR(S): Van Den Eynde, Koen; Andrieux, Marc; Hungenberg, Heike  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany; Thielert, Wolfgang;  
 Sutty-Heinze, Anne  
 SOURCE: PCT Int. Appl., 33pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077925	A1	20080703	WO 2007-EP64424	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127172 A 20061222  
 OTHER SOURCE(S): MARPAT 149:97680

AB A pesticide composition for protecting plants, crops or seeds from phytopathogenic fungi or damaging insects is based on propamocarb-fosetylate, an insecticide, and optionally a further fungicide. An agronomically effective and substantially nonphytotoxic quantity of such a pesticide composition is applied as a seed treatment, foliar application, stem application, drench or drip application, or chemigation to the seed, the plant or the fruit, or to the soil or substrate for plant growth. Thus, dipping cabbage (*Brassica oleracea*) leaves that were heavily infested by the green-peach aphid (*Myzus persicae*) into a preparation containing propamocarb-fosetylate + clothianidin at 200 + 0.8 ppm killed 95% of the aphids, and the effect was synergistic in comparison to that of the single compds.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticide composition comprising propamocarb-fosetylate, insecticide, and optional fungicide)

IT 137-26-8D, Thiram, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 5234-68-4D, Carboxin, mixts. containing 8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts. containing 12071-83-9D, Propineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 13598-36-2D, Phosphorous acid, mixts. containing, biological studies 25606-41-1D, Propamocarb hydrochloride, mixts. containing 39148-24-8D, Fosetyl-aluminum, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 66246-88-6D, Penconazole,  
 mixts. containing 70630-17-0D, Mefenoxam, mixts. containing 71626-11-4D, Benalaxy, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 98243-83-5D, Benalaxy-M, mixts. containing 107534-96-3D,

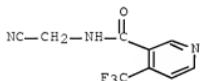
Tebuconazole, mixts. containing 110488-70-5D, Dimethomorph, mixts.  
 containing  
 120116-88-3D, Cyazofamid, mixts. containing 125225-28-7D, Ipcconazole, mixts.  
 containing 131341-86-1D, Fludioxonil, mixts. containing 131983-72-7D,  
 Triticonazole, mixts. containing 136426-54-5D, Fluquinconazole, mixts.  
 containing 141517-21-7D, Trifloxystrobin, mixts. containing 178928-70-6D,  
 Prothiocconazole, mixts. containing 183675-82-3D, Pentiopyrad, mixts.  
 containing  
 237055-17-3D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts.  
 containing  
 374726-62-2D, Mandipropamid, mixts. containing 413615-35-7D,  
 Berthiavalicarb, mixts. containing 494793-67-8D, N-[2-(1,3-  
 Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide,  
 mixts. containing 1035375-77-9 1035375-78-0 1035375-79-1 1035375-81-5  
 1035375-82-6 1035375-83-7 1035375-84-8 1035375-85-9 1035375-86-0  
 1035375-87-1 1035375-88-2 1035375-89-3 1035375-90-6 1035375-91-7  
 1035375-92-8 1035375-93-9 1035375-94-0 1035375-95-1 1035375-96-2  
 1035375-97-3 1035375-98-4 1035375-99-5 1035376-00-1 1035376-01-2  
 1035376-02-3 1035376-03-4 1035376-04-5 1035376-05-6  
 1035376-06-7 1035376-07-8 1035376-08-9 1035376-09-0 1035376-10-3  
 1035376-11-4 1035376-12-5 1035376-13-6 1035376-14-7 1035376-15-8  
 1035376-16-9 1035376-18-1 1035376-20-5 1035376-21-6 1035376-22-7  
 1035376-23-8 1035376-24-9 1035376-25-0 1035376-26-1  
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 1035376-37-4 1035376-38-5 1035376-39-6  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic pesticide composition comprising propamocarb-fosetylate,  
 insecticide, and optional fungicide)

IT 1035376-02-4 1035376-23-8 1035376-27-2  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic pesticide composition comprising propamocarb-fosetylate,  
 insecticide, and optional fungicide)

RN 1035376-03-4 HCPLUS  
 CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



CM 2

CRN 237055-17-3  
 CMF C9 H20 N2 O2 . C2 H7 O3 P

CM 3

CRN 24579-73-5  
CMF C9 H20 N2 O2



CM 4

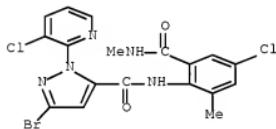
CRN 15845-66-6  
CMF C2 H7 O3 P



RN 1035376-23-8 HCPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 500008-45-7  
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 237055-17-3  
CMF C9 H20 N2 O2 . C2 H7 O3 P

CM 3

CRN 24579-73-5  
CMF C9 H20 N2 O2



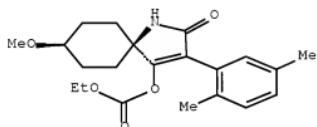
CM 4

CRN 15845-66-6  
CMF C2 H7 O3 PRN 1035376-27-2 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 203313-25-1  
CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 237055-17-3  
CMF C9 H20 N2 O2 . C2 H7 O3 P

CM 3

CRN 24579-73-5  
CMF C9 H20 N2 O2

CM 4

CRN 15845-66-6

CMF C2 H7 O3 P



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 5 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:804607 HCPLUS Full-text  
 DOCUMENT NUMBER: 149:97679  
 TITLE: Pesticidal composition comprising fenamidone and an insecticide compound  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde, Koen  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 51pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077922	A2	20080703	WO 2007-EP64421	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-127142 A 20061222

OTHER SOURCE(S): MARPAT 149:97679

AB A composition comprises (a) fenamidone and (b) an insecticide compound in an (a)/(b) weight ratio from 1/1000 to 1000/1. The compns. may include an addnl. fungicidal compound A method for preventively or curatively controlling phytopathogenic fungi and insects involves applying such a composition to the plant, plant organs, or to soil or substrates for growth. Thus, fenamidone + imidacloprid caused 100% mortality of *Plutella xylostella* on cabbage leaves after 4 days; the effect of the compds. was synergistic.

CC 5-4 (Agrochemical Bioregulators)

IT Insecticides

(synergistic pesticidal compns. containing fenamidone and)

IT 1035224-21-5, Abamectin-fenamidone mixture 1035224-23-7,  
 Acephate-fenamidone mixture 1035224-25-9, Acetamiprid-fenamidone mixture 1035224-27-1, Acrinathrin-fenamidone mixture 1035224-29-3,  
 Aldicarb-fenamidone mixture 1035224-31-7, Alpha-cypermethrin-fenamidone mixture 1035224-33-9, Bifenthrin-fenamidone mixture 1035224-35-1,  
 Carbaryl-fenamidone mixture 1035224-37-3, Carbofuran-fenamidone mixture

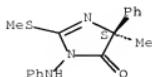
1035224-39-5, Chlorfenapyr-fenamidone mixture 1035224-41-9,  
 Chlorfluazuron-fenamidone mixture 1035224-43-1 1035224-44-2,  
 Clothianidin-fenamidone mixture 1035224-46-4, Cyfluthrin-fenamidone mixture  
 1035224-48-6, Cypermethrin-fenamidone mixture 1035224-50-0,  
 Cyromazine-fenamidone mixture 1035224-52-2, Deltamethrin-fenamidone mixture  
 1035224-54-4, Diflubenzuron-fenamidone mixture 1035224-55-5,  
 Dinotefuran-fenamidone mixture 1035224-57-7, Emamectin benzoate-fenamidone  
 mixture 1035224-59-9, Ethiprole-fenamidone mixture 1035224-61-3,  
 Fenamidone-fenpyroximate mixture 1035224-63-5, Fenamidone-fipronil mixture  
 1035224-64-6, Fenamidone-flonicamid mixture 1035224-66-8,  
 Fenamidone-flubendiamide mixture 1035224-68-0, Fenamidone-flufenoxuron  
 mixture 1035224-70-4, Gamma-cyhalothrin-fenamidone mixture 1035224-72-6,  
 Fenamidone-hexaflumuron mixture 1035224-74-8, Fenamidone-imidacloprid  
 mixture 1035224-76-0, Fenamidone-indoxacarb mixture 1035224-78-2  
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 Fenamidone-lufenuron mixture 1035224-84-0, Fenamidone-methamidophos mixture  
 1035224-86-2, Fenamidone-methiocarb mixture 1035224-88-4,  
 Fenamidone-methylomyl mixture 1035224-90-8, Fenamidone-methoxyfenozide mixture  
 1035224-92-0, Fenamidone-milbemycin mixture 1035224-94-2,  
 Fenamidone-nitenpyram mixture 1035224-96-4, Fenamidone-novaluron mixture  
 1035224-98-6, Fenamidone-profenofos mixture 1035225-00-3,  
 Fenamidone-pymetrozine mixture 1035225-02-5, Fenamidone-rynaxypyr  
 mixture 1035225-04-7, Fenamidone-spinosad mixture 1035225-06-9,  
 Fenamidone-spirodiclofen mixture 1035225-08-1, Fenamidone-spiromesifen  
 mixture 1035225-10-5, Fenamidone-spirotetramat mixture  
 1035225-12-7, Fenamidone-tebufenozide mixture 1035225-14-9,  
 Fenamidone-tebufenpyrad mixture 1035225-16-1, Fenamidone-tebupirimphos  
 mixture 1035225-18-3, Fenamidone-teflubenzuron mixture 1035225-20-7,  
 Fenamidone-tefluthrin mixture 1035225-21-8, Fenamidone-thiacloprid mixture  
 1035225-23-0, Fenamidone-thiamethoxam mixture 1035225-24-1,  
 Fenamidone-thiodicarb mixture 1035225-25-2, Fenamidone-triazophos mixture  
 1035225-26-3, Fenamidone-triflumuron mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as synergistic pesticidal composition)  
 IT 1035224-64-6, Fenamidone-flonicamid mixture 1035225-02-5,  
 Fenamidone-rynaxypyr mixture 1035225-10-5, Fenamidone-  
 spirotetramat mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as synergistic pesticidal composition)  
 RN 1035224-64-6 HCPLUS  
 CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 161326-34-7

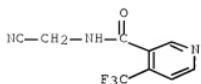
CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



CM 2

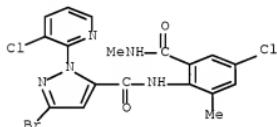
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CMF C9 H6 F3 N3 O



RN 1035225-02-5 HCPLUS  
CN INDEX NAME NOT YET ASSIGNED

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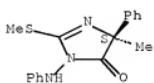
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CMF C18 H14 Br C12 N5 O2



CM 2

CRN 161326-34-7  
CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).

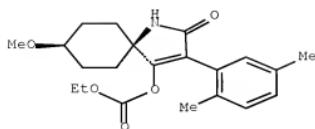


RN 1035225-10-5 HCPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 203313-25-1  
CMF C21 H27 N 05

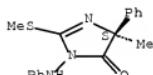
Relative stereochemistry.



CM 2

CRN 161326-34-7  
CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



L30 ANSWER 6 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:804511 HCPLUS [Full-text](#)  
 DOCUMENT NUMBER: 149:97692  
 TITLE: Pesticide composition comprising fosetyl-aluminum and  
           an insecticide active substance  
 INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Van Den Eynde,  
                   Koen  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 29pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008077930	A2	20080703	WO 2007-EP64429	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				

BY, KG, KZ, MD, RU, TJ, TM

EP 2006-127177

A 20061222

PRIORITY APPLN. INFO.:

MARPAT 149:97692

OTHER SOURCE(S):

AB The present invention relates to a pesticide composition intended for protecting plants, crops or seeds against phytopathogenic fungi or damaging insects, and the corresponding methods of treatment using the said composition. More precisely, the subject of the present invention is a pesticide composition based on fosetyl-Al, an insecticide active substance and optionally a further fungicide active substance.

CC 5-6 (Agrochemical Bioregulators)

IT Brassica oleracea

Fruit (plant organ)

Insecticides

Pesticide formulations

Plutella xylostella

Seed

Soil amendments

Spodoptera frugiperda

(pesticide composition comprising fosetyl-aluminum and insecticide active substance)

IT 63-25-2, Carbaryl 116-06-3, Aldicarb 137-26-8, Thiram 1563-66-2, Carbofuran 1897-45-6, Chlorothalonil 2032-65-7, Methiocarb 2921-88-2, Chlorpyrifos 5234-68-4, Carboxin 8018-01-7, Mancozeb 9006-42-2, Metiram 10004-44-1, Hymexazole 10265-92-6, Methamidophos 12071-83-9, Propineb 12427-38-2, Maneb 13598-36-2, Phosphorous acid, biological studies 16752-77-5, Methylomyl 24017-47-8, Triazophos 25606-41-1, Propamocarb-hydrochloride 30560-19-1, Acephate 35367-38-5, Diflubenzuron 41198-08-7, Profenofos 51570-36-6, Milbemycin 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 55219-65-3, Triadimenol 57837-19-1, Metalaxyl 57966-95-7, Cymoxanil 59669-26-0, Thiodicarb 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66246-88-6, Penconazole 67375-30-8, Alpha-cypermethrin 68359-37-5, Beta-cyfluthrin 70630-17-0, Mefenoxam 71422-67-8, Chlorfluazuron 71626-11-4, Benalaxy 71751-41-2, Abamectin 76674-21-0, Flutriafol 76703-62-3, Gamma-cyhalothrin 79538-32-2, Tefluthrin 79622-59-6, Fluazinam 79983-71-4, Hexaconazole 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 96182-53-5, Tebupirimphos 98243-83-5, Benalaxy-1-M 101007-06-1, Acrinathrin 101463-69-8, Flufenoxuron 103055-07-8, Lufenuron 105843-36-5, Imidaclothiz 107534-96-3, Tebuconazole 110488-70-5, Dimethomorph 112410-23-8, Tebufenozone 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 120068-37-3, Fipronil 120116-88-3, Cyazoflamid 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 125225-28-7, Ipcconazole 131341-86-1, Fludioxonil 131983-72-7, Triticonazole 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 136426-54-5, Fluquinconazole 138549-08-3 141517-21-7, Trifloxystrobin 148477-71-8, Spirodiclofen 150824-47-8, Nitencyram 155569-91-8, Emanectin benzoate 158052-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb 178928-70-6, Prothioconazole 181587-01-9, Ethiprole 183675-82-3, Penthiopyrad 203313-25-1, Spirotetramat 272451-65-7, Flubendiamide 283594-90-1, Spiromesifen 361377-29-9, Fluoxastrobin 374726-62-2, Mandipropamid 413615-35-7, Benthiavalicarb 494793-67-8, N-[2-(1,3-Dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide 500608-45-7, Rynaxypyr 863549-51-3, Lepimectin 1035094-56-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(pesticide composition comprising fosetyl-aluminum and insecticide active substance)

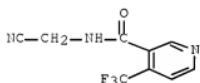
IT 159062-67-0, Flonicamid 203313-25-1, Spirotetramat

500008-45-7, Rynaxypyrr

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (pesticide composition comprising fosetyl-aluminum and insecticide active substance)

RN 158062-67-0 HCPLUS

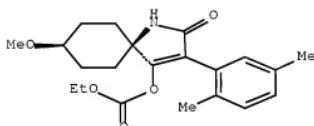
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCPLUS

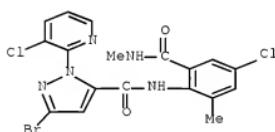
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 7 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:799958 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 149:97673

TITLE: Synergistic insecticide or acaricide compositions containing cyenopyrafen, and method for control of insects and mites

INVENTOR(S): Takii, Shinji

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 17pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008150302	A	20080703	JP 2006-338036	20061215
PRIORITY APPLN. INFO.:			JP 2006-338036	20061215
AB The insecticide or acaricide compns. contain (E)-2-(4-tert-butylphenyl)-2-cyano-1-(1,3,4-trimethylpyrazol-5-yl)vinyl 2,2-dimethylpropionate (cyenopyrafen) and ≥1 compound (C) selected from aldoxycarb, cadusafos, dichlofenthion, DSP, ethoprophos, etc. Insects or mites are controlled by application of cyenopyrafen and compound C at the same time or at adjacent positions. A composition containing 30% cyenopyrafen and a composition containing 20% amitraz were diluted with water and sprayed sep. to a mandarin orange leaf inoculated with Aculops pelekassi, showing LC50 of 0.5 ppm. Formulation examples of a wettable powder, emulsifiable concentrate, suspension concentrate, water-dispersible granule, and dustable powder are given.				
CC 5-4 (Agrochemical Bioregulators) IT Acaricides Insecticides (synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)				
IT 52-68-6D, Trichlorfon, mixts. containing cyenopyrafen 55-38-9D, Fenthion, mixts. containing cyenopyrafen 56-38-2D, Parathion, mixts. containing cyenopyrafen 60-51-5D, Dimethoate, mixts. containing cyenopyrafen 62-73-7D, Dichlorvos, mixts. containing cyenopyrafen 63-25-2D, Carbaryl, mixts. containing cyenopyrafen 72-43-5D, Methoxychlor, mixts. containing cyenopyrafen 83-79-4D, Rotenone, mixts. containing cyenopyrafen 86-50-0D, Azinphos-methyl, mixts. containing cyenopyrafen 97-17-6D, Dichlofenthion, mixts. containing cyenopyrafen 115-32-2D, Dicofol, mixts. containing cyenopyrafen 115-90-2D, Fen sulfothion, mixts. containing cyenopyrafen 116-06-3D, Aldicarb, mixts. containing cyenopyrafen 121-75-5D, Malathion, mixts. containing cyenopyrafen 122-14-5D, Fenitrothion, mixts. containing cyenopyrafen 297-97-2D, Thiomazin, mixts. containing cyenopyrafen 298-00-0D, Parathion-methyl, mixts. containing cyenopyrafen 298-02-2D, Phorate, mixts. containing cyenopyrafen 298-04-4D, Disulfoton, mixts. containing cyenopyrafen 301-12-2D, Oxydemeton-methyl, mixts. containing cyenopyrafen 333-41-5D, Diazinon, mixts. containing cyenopyrafen 470-90-6D, Chlorfenvinphos, mixts. containing cyenopyrafen 510-15-6D, Chlorobenzilate, mixts. containing cyenopyrafen 584-79-2D, Allethrin, mixts. containing cyenopyrafen 640-15-3D, Thiometon, mixts. containing cyenopyrafen 732-11-6D, Phosmet, mixts. containing cyenopyrafen 944-22-9D, Fonofos, mixts. containing cyenopyrafen 950-37-8D, Methidathion, mixts. containing cyenopyrafen 1113-02-6D, Omethoate, mixts. containing cyenopyrafen 1129-41-5D, Metolcarb, mixts. containing cyenopyrafen 1563-66-2D, Carbofuran, mixts. containing cyenopyrafen 1646-88-4D, Aldoxycarb, mixts. containing cyenopyrafen 2104-64-5D, EPN, mixts. containing cyenopyrafen 2227-17-0D, Dienochlor, mixts. containing cyenopyrafen 2274-67-1D, Dimethylvinphos, mixts. containing cyenopyrafen 2310-17-0D, Phosalone, mixts. containing cyenopyrafen 2312-35-8D, Propargite, mixts. containing cyenopyrafen 2540-82-1D, Formothion, mixts. containing cyenopyrafen 2597-03-7D, Phenthione, mixts. containing cyenopyrafen 2631-40-5D, Isoprocarb, mixts. containing cyenopyrafen 2674-91-1D, Oxydeprofos, mixts.				

containing cyenopyrafen 2921-88-2D, Chlorpyrifos, mixts. containing cyenopyrafen  
 3078-97-5D, DSP (pesticide), mixts. containing cyenopyrafen 3689-24-5D,  
 Sulfotep, mixts. containing cyenopyrafen 3766-81-2D, Fenobucarb, mixts.  
 containing cyenopyrafen 5598-13-0D, Chlorpyrifos-methyl, mixts. containing  
 cyenopyrafen 6923-22-4D, Monocrotophos, mixts. containing cyenopyrafen  
 7292-16-2D, Propaphos, mixts. containing cyenopyrafen 7704-34-9D, Sulfur,  
 mixts. containing cyenopyrafen 10265-92-6D, Methamidophos, mixts. containing  
 cyenopyrafen 13071-79-9D, Terbufos, mixts. containing cyenopyrafen  
 13121-70-5D, Cyhexatin, mixts. containing cyenopyrafen 13171-21-6D,  
 Phosphamidon, mixts. containing cyenopyrafen 13194-48-4D, Ethoprophos,  
 mixts. containing cyenopyrafen 13356-08-6D, Fenbutatin oxide, mixts.  
 containing cyenopyrafen 14816-18-3D, Phoxim, mixts. containing cyenopyrafen  
 15263-53-3D, Cartap, mixts. containing cyenopyrafen 16752-77-5D, Methomyl,  
 mixts. containing cyenopyrafen 17606-31-4D, Bensultap, mixts. containing  
 cyenopyrafen 18181-80-1D, Bromopropylate, mixts. containing cyenopyrafen  
 18854-01-8D, Isoxathion, mixts. containing cyenopyrafen 21548-32-3D,  
 Fosthietan, mixts. containing cyenopyrafen 22224-92-6D, Fenamiphos, mixts.  
 containing cyenopyrafen 22248-79-9D, Tetrachlorvinphos, mixts. containing  
 cyenopyrafen 22259-30-9D, Formetanate, mixts. containing cyenopyrafen  
 22781-23-3D, Bendiocarb, mixts. containing cyenopyrafen 23103-98-2D,  
 Pirimicarb, mixts. containing cyenopyrafen 23135-22-0D, Oxamyl (pesticide),  
 mixts. containing cyenopyrafen 25311-71-1D, Isofenphos, mixts. containing  
 cyenopyrafen 27519-02-4D, Muscalure, mixts. containing cyenopyrafen  
 29232-93-7D, Pirimiphos-methyl, mixts. containing cyenopyrafen 29973-13-5D,  
 Ethiofencarb, mixts. containing cyenopyrafen 30560-19-1D, Acephate, mixts.  
 containing cyenopyrafen 30864-28-9D, Methacrifos, mixts. containing  
 cyenopyrafen 31895-21-3D, Thiocyclam, mixts. containing cyenopyrafen 33089-61-1D,  
 Amitraz, mixts. containing cyenopyrafen 34643-46-4D, Prothiofos, mixts.  
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 35400-43-2D, Sulprofos, mixts. containing cyenopyrafen 37273-91-9D,  
 Metaldehyde, mixts. containing cyenopyrafen 38260-54-7D, Etrimesfos, mixts.  
 containing cyenopyrafen 39196-18-4D, Thiofanox, mixts. containing  
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 Methoprene, mixts. containing cyenopyrafen 41198-08-7D, Profenofos, mixts.  
 containing cyenopyrafen 42509-80-8D, Isazofos, mixts. containing  
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 63935-38-6D, Cycloprothrin, mixts. containing cyenopyrafen 64628-44-0D,  
 Triflumuron, mixts. containing cyenopyrafen 65907-30-4D, Furathiocarb,  
 mixts. containing cyenopyrafen 66215-27-8D, Cyromazine, mixts. containing  
 cyenopyrafen 66230-04-4D, Esfenvalerate, mixts. containing cyenopyrafen  
 66602-87-7D, Isamidofos, mixts. containing cyenopyrafen 66841-25-6D,  
 Tralomethrin, mixts. containing cyenopyrafen 67485-29-4D, Hydramethylnon,  
 mixts. containing cyenopyrafen 68085-85-8D, Cyhalothrin, mixts. containing  
 cyenopyrafen 68339-37-5D, Cyfluthrin, mixts. containing cyenopyrafen  
 69327-76-0D, Buprofezin, mixts. containing cyenopyrafen 69409-94-5D,  
 Fluvalinate, mixts. containing cyenopyrafen 70124-77-5D, Flucythrinate,  
 mixts. containing cyenopyrafen 71422-67-8D, Chlorfluazuron, mixts.

containing

cyenopyrafen 71751-41-2D, Abamectin, mixts. containing cyenopyrafen 72490-01-8D, Fenoxy carb, mixts. containing cyenopyrafen 74115-24-5D, Clofentezine, mixts. containing cyenopyrafen 78587-05-0D, Hexythiazox, mixts. containing cyenopyrafen 79538-32-2D, Tefluthrin, mixts. containing cyenopyrafen 80060-09-9D, Diafenthiuron, mixts. containing cyenopyrafen 80844-07-1D, Ethofenprox, mixts. containing cyenopyrafen 80966-70-7D, Bamidothion, mixts. containing cyenopyrafen 82560-54-1D, Benfuracarb, mixts. containing cyenopyrafen 82657-04-3D, Bifenthin, mixts. containing

cyenopyrafen

83121-18-0D, Teflubenzuron, mixts. containing cyenopyrafen 83130-01-2D, Alanycarb, mixts. containing cyenopyrafen 86479-06-3D, Hexaflumuron, mixts. containing cyenopyrafen 89784-60-1D, Pyraclofos, mixts. containing

cyenopyrafen

91465-08-6D,  $\lambda$ -Cyhalothrin, mixts. containing cyenopyrafen 95465-99-9D, Cadusafos, mixts. containing cyenopyrafen 95737-68-1D, Pyriproxyfen, mixts. containing cyenopyrafen 98886-44-3D, Fosthiazate, mixts. containing cyenopyrafen 101007-06-1D, Acrinathrin, mixts. containing cyenopyrafen 101463-69-8D, Flufenoxuron, mixts. containing cyenopyrafen 102851-06-9D,  $t$ -Fluvalinate, mixts. containing cyenopyrafen 103055-07-8D, Lufenuron, mixts. containing cyenopyrafen 105024-66-6D, Silafluofen, mixts. containing cyenopyrafen 105779-78-0D, Pyrimidifen, mixts. containing cyenopyrafen 107713-58-6D, Flufenprox, mixts. containing cyenopyrafen 111872-58-3D, Halfenprox, mixts. containing cyenopyrafen 111988-49-9D, Thiacloroprid, mixts. containing cyenopyrafen 112143-82-5D, Triazuron, mixts. containing cyenopyrafen 112226-61-6D, Halofenozone, mixts. containing cyenopyrafen 112410-23-8D, Tebufenozide, mixts. containing cyenopyrafen 119168-77-3D, Tebufenpyrad, mixts. containing cyenopyrafen 119544-94-4D, Protrifentebutte, mixts. containing cyenopyrafen 120068-37-3D, Fipronil, mixts. containing cyenopyrafen 120928-09-8D, Fenazaquin, mixts. containing cyenopyrafen 122453-73-0D, Chlorfenapyr, mixts. containing cyenopyrafen 123312-89-0D, Pymetrozine, mixts. containing cyenopyrafen 129558-76-5D, Tolfenpyrad, mixts. containing cyenopyrafen 134098-61-6D, Fenpyroximate, mixts. containing cyenopyrafen 135410-20-7D, Acetamiprid, mixts. containing cyenopyrafen 138261-41-3D, Imidacloprid, mixts. containing cyenopyrafen 139968-49-3D, Metaflumizone, mixts. containing cyenopyrafen 143807-66-3D, Chromafenozide, mixts. containing cyenopyrafen 150824-47-8D, Nitenpyram, mixts. containing cyenopyrafen 153233-91-1D, Etoxazole, mixts. containing cyenopyrafen 153719-23-4D, Diacloden, mixts. containing

cyenopyrafen

155569-91-8D, Emamectin-benzoate, mixts. containing cyenopyrafen 158062-67-0D, Flonicamid, mixts. containing cyenopyrafen 161050-58-4D, Methoxyfenozide, mixts. containing cyenopyrafen 165252-70-0D, Dinotefuran, mixts. containing cyenopyrafen 168316-95-8D, Spinosad, mixts. containing cyenopyrafen 170015-32-4D, Flufenirim, mixts. containing

cyenopyrafen

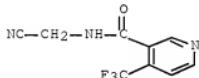
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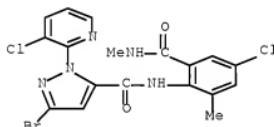
Cyenopyrafen-fenpropothrin mixture 1035211-71-2, Cyenopyrafen-methoxyfenozide mixture 1035211-72-3, Cyenopyrafen-methomyl mixture 1035211-73-4, Cyenopyrafen-ethofenprox mixture

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)  
IT 158062-67-0D, Flonicamid, mixts. containing cyenopyrafen  
500008-45-7D, Rynaxypyrr, mixts. containing cyenopyrafen  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(synergistic insecticide or acaricide compns. containing cyenopyrafen, and method for control of insects and mites)  
RN 158062-67-0 HCPLUS  
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCPLUS  
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 8 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2008:773828 HCPLUS Full-text  
DOCUMENT NUMBER: 149:97668  
TITLE: Pest control compositions containing amides  
INVENTOR(S): Nomura, Michikazu; Tomura, Naofumi; Kawahara, Atsuko; Daido, Hidenori  
PATENT ASSIGNEE(S): Mitsui Chemicals, Inc., Japan  
SOURCE: PCT Int. Appl., 241pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008075453	A1	20080626	WO 2007-JP1347	20071205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,				

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 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

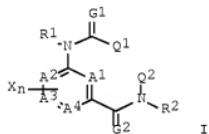
JP 2006-340922

A 20061219

OTHER SOURCE(S):

MARPAT 149:97668

GI



AB Pesticide compns. contain  $\geq 1$  amide (I; A1-A4 = C, N, oxidized N; R1, R2 independently = H, C1-4 alkyl, C1-4 alkylcarbonyl; G1, G2 = O, S; X = H, halo, CF<sub>3</sub>; n = 0-4 integer; Q1, Q2 = (un)substituted Ph, heterocyclyl) and  $\geq 1$  publicly known insecticide, acaricide, or microbicide as active ingredients. Thus, N-[2-bromo-4-(heptafluoroisopropyl)-6-trifluoromethylthio]phenyl 3-[(N'-benzoyl-N'-methyl)amino]benzamide (II, prepared) + acephate at 30 + 250 ppm gave 100% control of green peach aphid (*Myzus persicae*), whereas control with 30 ppm II was 27% and control with 250 ppm acephate was only 11%.

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 25

IT Acaricides

Insecticides

(pest control compns. containing amides and)

IT 74115-24-5D, Clofentezine, mixts. with amides 74738-17-3D, Fenpiclonil, mixts. with amides 74937-48-7D, mixts. with amides 76280-91-6D, Tecloftalam, mixts. with amides 76674-21-0D, Flutriafol, mixts. with amides 76703-62-3D, Gamma-cyhalothrin, mixts. with amides 77732-09-3D, Oxadixyl, mixts. with amides 78587-05-0D, Hexythiazox, mixts. with amides 79538-32-2D, Tefluthrin, mixts. with amides 79622-59-6D, Fluazinam, mixts. with amides 79983-71-4D, Hexaconazole, mixts. with amides 80060-09-9D, Diafenthiuron, mixts. with amides 80844-07-1D, Ethofenprox, mixts. with amides 81412-43-3D, Tridemorph, mixts. with amides 82560-54-1D, Benfuracarb, mixts. with amides 82657-04-3D, Bifenthrin, mixts. with amides 83121-18-0D, Teflubenzuron, mixts. with amides 83130-01-2D, Alanycarb, mixts. with amides 83657-24-3D, Diniconazole, mixts. with amides 84332-86-5D, Chlوزinate, mixts. with amides 84466-05-7D, Amidoflumet, mixts. with amides 85509-19-9D, Flusilazole, mixts. with amides 86479-06-3D, Hexaflumuron, mixts. with amides 86598-92-7D, Imibencconazole, mixts. with amides 86811-58-7D, Fluazuron, mixts. with amides 87130-20-9D, Diethofencarb, mixts. with amides 88283-41-4D, Pyrifenox, mixts. with amides 88671-89-0D,

Myclobutanil, mixts. with amides 89269-64-7D, Ferimzone, mixts. with amides 89784-60-1D, Pyraclofos, mixts. with amides 94361-06-5D, Cyproconazole, mixts. with amides 95465-99-9D, Cadusafos, mixts. with amides 95737-68-1D, Pyriproxyfen, mixts. with amides 96182-53-5D, Tebupirimfos, mixts. with amides 96489-71-3D, Pyridaben, mixts. with amides 98886-44-3D, Fosthiazate, mixts. with amides 101007-06-1D, Acrinathrin, mixts. with amides 101463-69-8D, Flufenoxuron, mixts. with amides 101903-30-4D, Pefurazoate, mixts. with amides 103055-07-8D, Lufenuron, mixts. with amides 104030-54-8D, Carpropamid, mixts. with amides 105024-66-6D, Silafluofen, mixts. with amides 105779-78-0D, Pyrimidifen, mixts. with amides 106917-52-6D, Flusulfamide, mixts. with amides 107534-96-3D, Tebuconazole, mixts. with amides 108173-90-6D, Guazatine, mixts. with amides 110235-47-7D, Mepanipyrim, mixts. with amides 110488-70-5D, Dimethomorph, mixts. with amides 111872-58-3D, Halfenprox, mixts. with amides 111988-49-9D, Thiacycloprid, mixts. with amides 112143-82-5D, Triazamate, mixts. with amides 112226-61-6D, Halofenozide, mixts. with amides 112281-77-3D, Tetraconazole, mixts. with amides 112410-23-8D, Tebufenozyde, mixts. with amides 113036-88-7D, Flucycloxuron, mixts. with amides 114369-43-6D, Fenbuconazole, mixts. with amides 115852-48-7D, Fenoxanil, mixts. with amides 116255-48-2D, Bromuconazole, mixts. with amides 116714-46-6D, Novaluron, mixts. with amides 117428-22-5D, Picoxystrobin, mixts. with amides 118134-30-8D, Spiroxamine, mixts. with amides 119168-77-3D, Tebufenpyrad, mixts. with amides 119446-68-3D, Difenoconazole, mixts. with amides 120068-37-3D, Fipronil, mixts. with amides 120116-88-3D, Cyazofamid, mixts. with amides 120928-09-8D, Fenazaquin, mixts. with amides 121451-02-3D, Noviflumuron, mixts. with amides 121552-61-2D, Cyprodinil, mixts. with amides 122431-24-7D, Flupyrazofos, mixts. with amides 122453-73-0D, Chlorfenapyr, mixts. with amides 123312-89-0D, Pymetrozine, mixts. with amides 123572-88-3D, Furametpyr, mixts. with amides 124495-18-7D, Quinoxifen, mixts. with amides 125116-23-6D, Metconazole, mixts. with amides 125225-28-7D, Ipcronazole, mixts. with amides 126069-54-3D, Phosphocarb, mixts. with amides 126833-17-8D, Fenhexamid, mixts. with amides 129558-76-5D, Tolfenpyrad, mixts. with amides 130000-40-7D, Thifluzamide, mixts. with amides 130339-07-0D, Diflumetorim, mixts. with amides 131341-86-1D, Fludioxonil, mixts. with amides 131807-57-3D, Famoxadone, mixts. with amides 131860-33-8D, Azoxystrobin, mixts. with amides 131983-72-7D, Triticonazole, mixts. with amides 133408-50-1D, Metominostrobin, mixts. with amides 133855-98-8D, Epoxiconazole, mixts. with amides 134074-64-9D, Oxoconazole, mixts. with amides 134098-61-6D, Fenpyroximate, mixts. with amides 135158-54-2D, Acibenzolar-S-methyl, mixts. with amides 135410-20-7D, Acetamiprid, mixts. with amides 136426-54-5D, Fluquinconazole, mixts. with amides 138261-41-3D, Imidacloprid, mixts. with amides 139920-32-4D, Diclofymet, mixts. with amides 139968-49-3D, Metaflumizone, mixts. with amides 140923-17-7D, Iprovalicarb, mixts. with amides 141517-21-7D, Trifloxystrobin, mixts. with amides 143390-89-0D, Kresoxim-methyl, mixts. with amides 143807-66-3D, Chromafenozide, mixts. with amides 148477-71-8D, Spirodiclofen, mixts. with amides 149508-90-7D, Simeconazole, mixts. with amides 149877-41-8D, Bifenazate, mixts. with amides 149961-52-4D, Dimoxystrobin, mixts. with amides 150824-47-8D, Nitenpyram, mixts. with amides 153233-91-1D, Etoxazole, mixts. with amides 153719-23-4D, Thiamethoxam, mixts. with amides 154025-04-4D, Flumetover, mixts. with amides 155569-91-8D, Enamectin benzoate, mixts. with amides 156052-68-5D, Zoxamide, mixts. with amides 158062-67-0D, Flonicamid, mixts. with amides 160791-64-0D, Flubrocyclinate, mixts. with amides 161050-58-4D, Methoxyfenozide, mixts. with amides 161326-34-7D, Fenamidone, mixts. with amides 162320-67-4D, Flufenazine, mixts. with amides 162650-77-3D, Ethaboxam, mixts. with amides

165252-70-0D, Dinotefuran, mixts. with amides 168316-95-8D, Spinosad, mixts. with amides 169202-06-6D, mixts. with amides 170015-32-4D, Flufenenerim, mixts. with amides 173584-44-6D, Indoxacarb, mixts. with amides 174212-12-5D, Oxoconazole fumarate, mixts. with amides 175013-18-0D, Pyraclostrobin, mixts. with amides 175217-20-6D, Silthiofam, mixts. with amides 177406-68-7D, Benthiavalicarb-isopropyl, mixts. with amides 178928-70-6D, Prothioconazole, mixts. with amides 179101-81-6D, Pyridalyl, mixts. with amides 180409-60-3D, Cyflufenamid, mixts. with amides 181587-01-9D, Ethiprole, mixts. with amides 183675-82-3D, Penthopyrad, mixts. with amides 188425-85-6D, Boscalid, mixts. with amides 189278-12-4D, Proquinazid, mixts. with amides 201593-84-2D, Bistrifluron, mixts. with amides 209861-58-5D, Acetoprole, mixts. with amides 210880-92-5D, Clothianidin, mixts. with amides 211867-47-9D, Flumorph, mixts. with amides 220899-03-6D, Metrafenone, mixts. with amides 223419-20-3D, Profluthrin, mixts. with amides 223580-51-6D, Tiadinil, mixts. with amides 229977-93-9D, Fluacrypyrim, mixts. with amides 239110-15-7D, Picobenzamid, mixts. with amides 240494-70-6D, Metofluthrin, mixts. with amides 248593-16-0D, Orysastrobin, mixts. with amides 271241-14-6D, Dimefluthrin, mixts. with amides 272451-65-7D, Flubendiamide, mixts. with amides 283594-90-1D, Spiromesifen, mixts. with amides 337458-27-2D, mixts. with amides 361377-29-9D, Fluoxastrobin, mixts. with amides 374726-62-2D, Mandipropamid, mixts. with amides 863549-51-3D, Lepimectin, mixts. with amides 1033616-11-3D, derivs., mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as pest control compns.)

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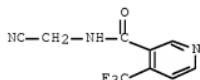
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

IT 158062-67-0D, Flonicamid, mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as pest control compns.)

RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



IT 1033612-49-5 1033612-57-5 1033612-65-5  
1033612-73-5 1033612-87-1 1033612-94-0  
1033613-04-5 1033613-12-5 1033613-32-9  
1033613-43-2 1033613-99-8 1033614-03-7  
1033614-10-6 1033614-20-8 1033614-37-7

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

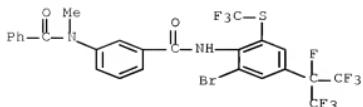
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CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with N-[3-[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]amino]carbonylphenyl]-N-methylbenzamide (CA INDEX NAME)

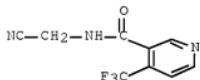
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CRN 917513-22-5

CMF C25 H15 Br F10 N2 O2 S

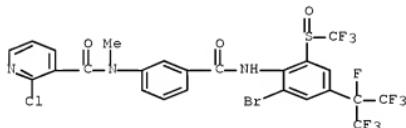


CM 2

CRN 158062-67-0  
CMF C9 H6 F3 N3 O

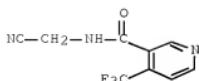
RN 1033612-57-5 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-[3-[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-2-chloro-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-40-7  
CMF C24 H13 Br Cl F10 N3 O3 S

CM 2

CRN 158062-67-0  
CMF C9 H6 F3 N3 O



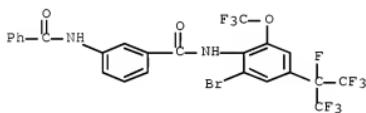
RN 1033612-65-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
3-(benzoylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-  
(trifluoromethyl)ethyl]-6-(trifluoromethoxy)phenyl]benzamide (CA INDEX  
NAME)

CM 1

CRN 917512-86-8

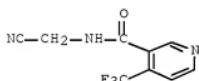
CMF C24 H13 Br F10 N2 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



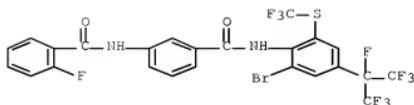
RN 1033612-73-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
N-[3-[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-  
([trifluoromethyl]thio)phenyl]amino]carbonylphenyl]-2-fluorobenzamide  
(CA INDEX NAME)

CM 1

CRN 917512-43-7

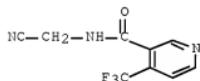
CMF C24 H12 Br F11 N2 O2 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



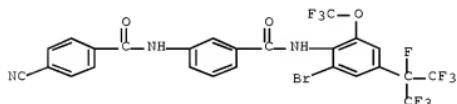
RN 1033612-87-1 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethoxy)phenyl]-3-[(4-cyanobenzoyl)amino]benzamide (CA INDEX NAME)

CM 1

CRN 917512-89-1

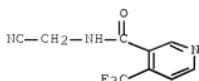
CMF C25 H12 Br F10 N3 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



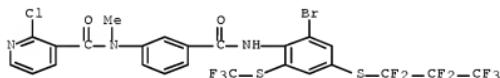
RN 1033612-94-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[2-bromo-4-((1,1,2,2,3,3,3-heptafluoropropyl)thio)-6-[(trifluoromethyl)amino]carbonyl)phenyl]-2-chloro-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 1033612-88-2

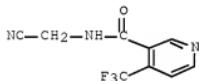
CMF C24 H13 Br Cl F10 N3 O2 S2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



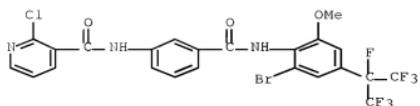
RN 1033613-04-5 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[[2-bromo-6-methoxy-4-[(1,1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]amino]carbonyl]phenyl]-2-chloro-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-00-9

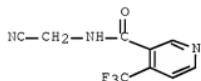
CMF C23 H14 Br Cl F7 N3 O3



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



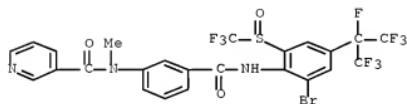
RN 1033613-12-5 HCPLUS

CN 3-Pyridinecarboxamide, N-[3-[[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonyl]phenyl]-N-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 917513-41-8

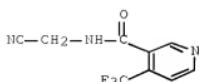
CMF C24 H14 Br F10 N3 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



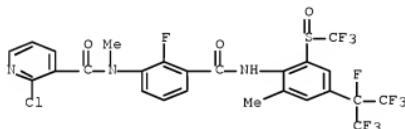
RN 1033613-32-9 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-[2-fluoro-3-((2-methyl-4-(1,2,2,2-tetrafluoroethyl)phenyl)sulfinyl)phenyl]amino]-4-(trifluoromethyl)-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 1033613-22-7

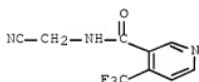
CMF C25 H15 Cl F11 N3 O3 S



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



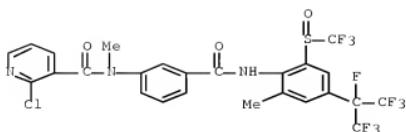
RN 1033613-43-2 HCAPLUS

CN INDEX NAME NOT YET ASSIGNED

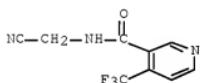
CM 1

CRN 1033613-33-0

CMF C25 H16 Cl F10 N3 O3 S

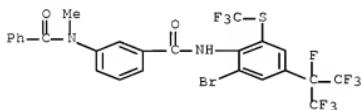


CM 2

CRN 158062-67-0  
CMF C9 H6 F3 N3 O

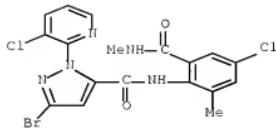
RN 1033613-99-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]amino]carbonylphenyl]-N-methylbenzamide  
 (CA INDEX NAME)

CM 1

CRN 917513-22-5  
CMF C25 H15 Br F10 N2 O2 S

CM 2

CRN 500008-45-7  
CMF C18 H14 Br Cl2 N5 O2



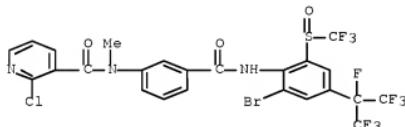
RN 1033614-03-7 HCAPLUS

CN 3-Pyridinecarboxamide, N-[3-[(2-bromo-4-[1,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfinyl]phenyl]amino]carbonylphenyl]-2-chloro-N-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 917513-40-7

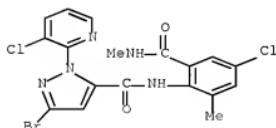
CMF C24 H13 Br Cl F10 N3 O3 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



RN 1033614-10-6 HCAPLUS

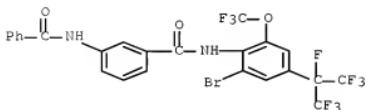
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 3-(benzoylamino)-N-[2-bromo-4-[1,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethoxy)phenyl]benzamide (CA INDEX

NAME)

CM 1

CRN 917512-86-8

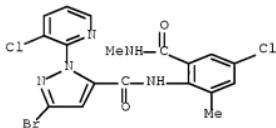
CMF C24 H13 Br F10 N2 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



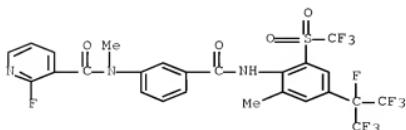
RN 1033614-20-8 HCPLUS

CN 3-Pyridinecarboxamide, 2-fluoro-N-methyl-N-[3-[[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)sulfonyl]phenyl]amino]carbonylphenyl]-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

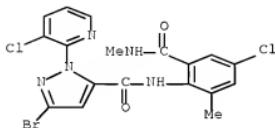
CRN 1033614-12-8

CMF C25 H16 F11 N3 O4 S



CM 2

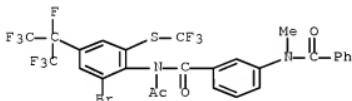
CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



RN 1033614-37-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-acetyl-3-(benzoylmethylamino)-N-[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-[(trifluoromethyl)thio]phenyl]benzamide (CA INDEX NAME)

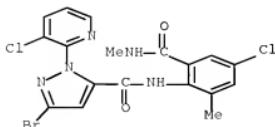
CM 1

CRN 1033614-23-1  
 CMF C27 H17 Br F10 N2 O3 S



CM 2

CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2

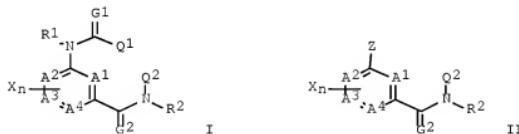


REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 9 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:770370 HCPLUS Full-text  
 DOCUMENT NUMBER: 149:97667  
 TITLE: Pesticide compositions containing amides  
 INVENTOR(S): Nomura, Michikazu; Tomura, Naofumi; Kawahara, Atsuko;  
 Daido, Hidenori  
 PATENT ASSIGNEE(S): Mitsui Chemicals, Inc., Japan  
 SOURCE: PCT Int. Appl., 304pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008075454	A1	20080626	WO 2007-JP1355	20071205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2006-340921 A 20061219  
 OTHER SOURCE(S): MARPAT 149:97667  
 GI



AB Disclosed are pest control compns. containing  $\geq 1$  compound represented by the general formula I or the general formula II and  $\geq 1$  known insecticide, acaricide or fungicide as active ingredients. In the formulas I and II, A1-A4 = C, N, oxidized N; R1, R2 independently = H, Cl-4 alkyl, Cl-4 alkylcarbonyl; G1, G2 = O, S; X = H, halo, CF<sub>3</sub>; Q1, Q2 = (un)substituted Ph, etc.; n = 0-4 integer; Z = N(R1)SO<sub>2</sub>Q1 or N(R1)Q1. Thus, I (Q1 = 2-fluorophenyl, A1-A4 = CH, R1 = H, R2 = Me Q2 = 2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl) +

acephate at 100 + 250 ppm gave 100% control of green peach aphid (*Myzus persicae*).

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 25

IT Acaricides

Insecticides

(pest control compns. containing amides and)

IT 74115-24-5D, Clofentezine, mixts. with amides 74738-17-3D, Fenpiclonil, mixts. with amides 74937-48-7D, mixts. with amides 76280-91-6D, Tecloftalam, mixts. with amides 76674-21-0D, Flutriafol, mixts. with amides 76703-62-3D, Gamma-cyhalothrin, mixts. with amides 77732-09-3D, Oxadixyl, mixts. with amides 78587-05-0D, Hexythiazox, mixts. with amides 79538-32-2D, Tefluthrin, mixts. with amides 79622-59-6D, Fluazinam, mixts. with amides 79983-71-4D, Hexaconazole, mixts. with amides 80060-09-9D, Diafenthizuron, mixts. with amides 80844-07-1D, Ethofenprox, mixts. with amides 81412-43-3D, Tridemorph, mixts. with amides 82560-54-1D, Benfuracarb, mixts. with amides 82657-04-3D, Bifenthrin, mixts. with amides 83121-18-0D, Teflubenzuron, mixts. with amides 83130-01-2D, Alanycarb, mixts. with amides 83657-24-3D, Diniconazole, mixts. with amides 84332-86-5D, Chlozolinate, mixts. with amides 84466-05-7D, Amidoflumet, mixts. with amides 85509-19-9D, Flusilazole, mixts. with amides 86479-06-3D, Hexaflumuron, mixts. with amides 86598-92-7D, Imibenconazole, mixts. with amides 86811-58-7D, Fluazuron, mixts. with amides 87130-20-9D, Diethofencarb, mixts. with amides 88283-41-4D, Pyrifenox, mixts. with amides 88671-89-0D, Myclobutanil, mixts. with amides 89269-64-7D, Ferimzone, mixts. with amides 89784-60-1D, Pyraclofos, mixts. with amides 94361-06-5D, Cyproconazole, mixts. with amides 95465-99-9D, Cadusafos, mixts. with amides 95737-68-1D, Pyriproxyfen, mixts. with amides 96182-53-5D, Tebupirimfos, mixts. with amides 96489-71-3D, Pyridaben, mixts. with amides 98886-44-3D, Fosthiazate, mixts. with amides 101007-06-1D, Acrinathrin, mixts. with amides 101463-69-8D, Flufenoxuron, mixts. with amides 101903-30-4D, Pefurazoate, mixts. with amides 103055-07-8D, Lufenuron, mixts. with amides 104030-54-8D, Carpropamid, mixts. with amides 105024-66-6D, Silafluofen, mixts. with amides 105779-78-0D, Pyrimidifen, mixts. with amides 106917-52-6D, Flusulfamide, mixts. with amides 107534-96-3D, Tebuconazole, mixts. with amides 108173-90-6D, Guazatine, mixts. with amides 110235-47-7D, Mepanipyrim, mixts. with amides 110488-70-5D, Dimethomorph, mixts. with amides 111872-58-3D, Halfenprox, mixts. with amides 111988-49-9D, Thiacycloprid, mixts. with amides 112143-82-5D, Triazamate, mixts. with amides 112226-61-6D, Halofenozide, mixts. with amides 112281-77-3D, Tetraconazole, mixts. with amides 112410-23-8D, Tebufenoziide, mixts. with amides 113036-88-7D, Flucycloxuron, mixts. with amides 114369-43-6D, Fenbuconazole, mixts. with amides 115852-48-7D, Fenoxanil, mixts. with amides 116255-48-2D, Bromuconazole, mixts. with amides 116714-46-6D, Novaluron, mixts. with amides 117428-22-5D, Picoxystrobin, mixts. with amides 118134-30-8D, Spiroxamine, mixts. with amides 119168-77-3D, Tebufenpyrad, mixts. with amides 119446-68-3D, Difenoconazole, mixts. with amides 120068-37-3D, Fipronil, mixts. with amides 120116-88-3D, Cyazofamid, mixts. with amides 120928-09-8D, Fenazaquin, mixts. with amides 121451-02-3D, Noviflumuron, mixts. with amides 121552-61-2D, Cyprodinil, mixts. with amides 122431-24-7D, Flupyrazofos, mixts. with amides 122453-73-0D, Chlorfenapyr, mixts. with amides 123312-89-0D, Pymetrozine, mixts. with amides 123572-88-3D, Furametylpyr, mixts. with amides 124495-18-7D, Quinoxifen, mixts. with amides 125116-23-6D, Metconazole, mixts. with amides 125225-28-7D, Ipcconazole, mixts. with amides 126069-54-3D, Phosphocarb, mixts. with amides 126833-17-8D, Fenhexamid, mixts. with amides 129558-76-5D, Tolfenpyrad, mixts. with amides 130000-40-7D, Thifluzamide, mixts. with amides 130339-07-0D,

Diflumetorim, mixts. with amides 131341-86-1D, Fludioxonil, mixts. with amides 131807-57-3D, Famoxadone, mixts. with amides 131860-33-8D, Azoxystrobin, mixts. with amides 131983-72-7D, Triticonazole, mixts. with amides 133408-50-1D, Metominostrobin, mixts. with amides 133855-98-8D, Epoxiconazole, mixts. with amides 134074-64-9D, Oxoconazole, mixts. with amides 134098-61-6D, Fenpyroximate, mixts. with amides 135158-54-2D, Acibenzolar-S-methyl, mixts. with amides 135410-20-7D, Acetamiprid, mixts. with amides 136426-54-5D, Fluquinconazole, mixts. with amides 138261-41-3D, Imidacloprid, mixts. with amides 139920-32-4D, Diclofencin, mixts. with amides 139968-49-3D, Metaflumizone, mixts. with amides 140923-17-7D, Iprovalicarb, mixts. with amides 141517-21-7D, Trifloxystrobin, mixts. with amides 143390-89-0D, Kresoxim-methyl, mixts. with amides 143807-66-3D, Chromafenozide, mixts. with amides 148477-71-8D, Spirodiclofen, mixts. with amides 149508-90-7D, Simeconazole, mixts. with amides 149877-41-8D, Bifenazate, mixts. with amides 149961-52-4D, Dimoxystrobin, mixts. with amides 150824-47-8D, Nitopyram, mixts. with amides 153233-91-1D, Etoxazole, mixts. with amides 153719-23-4D, Thiamethoxam, mixts. with amides 154025-04-4D, Flumetover, mixts. with amides 155569-91-8D, Emamectin benzoate, mixts. with amides 156052-68-5D, Zoxamide, mixts. with amides 156062-67-0D, Flonicamid, mixts. with amides 160791-64-0D, Flubrocyclanate, mixts. with amides 161050-58-4D, Methoxyfenozide, mixts. with amides 161326-34-7D, Fenamidone, mixts. with amides 162320-67-4D, Flufenazine, mixts. with amides 162650-77-3D, Ethaboxam, mixts. with amides 165252-70-0D, Dinotefuran, mixts. with amides 168316-95-8D, Spinosad, mixts. with amides 169202-06-6D, mixts. with amides 170015-32-4D, Flufennerim, mixts. with amides 173584-44-6D, Indoxacarb, mixts. with amides 174212-12-5D, Oxoconazole fumarate, mixts. with amides 175013-18-0D, Pyraclostrobin, mixts. with amides 175217-20-6D, Silthiofam, mixts. with amides 177406-68-7D, Benthiavalicarb-isopropyl, mixts. with amides 178928-70-6D, Prothioconazole, mixts. with amides 179101-81-6D, Pyridalyl, mixts. with amides 180409-60-3D, Cyflufenamid, mixts. with amides 181587-01-9D, Ethiprole, mixts. with amides 183675-82-3D, Penthopyrad, mixts. with amides 188425-85-6D, Boscalid, mixts. with amides 189278-12-4D, Proquinazid, mixts. with amides 201593-84-2D, Bistrifluron, mixts. with amides 209861-58-5D, Acetoprole, mixts. with amides 210880-92-5D, Clothianidan, mixts. with amides 211867-47-9D, Flumorph, mixts. with amides 220899-03-6D, Metrafenone, mixts. with amides 223419-20-3D, Profluthrin, mixts. with amides 223580-51-6D, Tiadinil, mixts. with amides 229977-93-9D, Fluacrypyrim, mixts. with amides 239110-15-7D, Picobenzamid, mixts. with amides 240494-70-6D, Metofluthrin, mixts. with amides 248593-16-0D, Orysastrobin, mixts. with amides 271241-14-6D, Dimefluthrin, mixts. with amides 272451-65-7D, Flubendiamide, mixts. with amides 283594-90-1D, Spiromesifen, mixts. with amides 337458-27-2D, mixts. with amides 361377-29-9D, Fluoxastrobin, mixts. with amides 374726-62-2D, Mandipropamid, mixts. with amides 863549-51-3D, Lepimectin, mixts. with amides 1033616-11-3D, derivs., mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as pest control compns.)

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	1033847-60-7	1033847-61-8	1033847-62-9	1033847-63-0
	1033847-65-2	1033847-67-4	1033847-68-5	1033847-69-6
	1033847-70-9	1033847-72-1	1033847-73-2	1033847-74-3
	1033847-75-4	1033847-76-5	1033847-77-6	1033847-78-7
	1033847-79-8	1033847-80-1	1033847-82-3	1033847-83-4

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1033847-92-5	1033847-93-6	1033847-94-7	1033847-95-8	1033847-96-9
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1033848-53-1	1033848-54-2	1033848-55-3	1033848-56-4	1033848-57-5
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1033848-68-8	1033848-69-9	1033848-70-2	1033848-71-3	
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1033848-77-9	1033848-79-1	1033848-80-4	1033848-81-5	
1033848-82-6	1033848-83-7	1033848-84-8	1033848-85-9	1033848-86-0
1033848-87-1	1033848-88-2	1033848-89-3	1033848-90-6	
1033848-91-7	1033848-92-8	1033848-93-9	1033848-94-0	1033848-95-1
1033848-96-2	1033848-97-3	1033848-98-4	1033848-99-5	
1033849-00-1	1033849-01-2	1033849-02-3	1033849-03-4	1033849-04-5
1033849-05-6	1033849-06-7	1033849-07-8	1033849-08-9	1033849-09-0
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1033849-15-8	1033849-16-9	1033849-17-0	1033849-18-1	1033849-19-2
1033849-20-5	1033849-21-6	1033849-23-8	1033849-25-0	1033849-27-2
1033849-29-4	1033849-31-8	1033849-33-0	1033849-35-2	1033849-36-3
1033849-37-4	1033849-38-5	1033849-39-6	1033849-40-9	1033849-41-0
1033849-42-1	1033849-43-2	1033849-44-3	1033849-45-4	1033849-46-5
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1033849-57-8	1033849-58-9	1033849-59-0	1033849-60-3	1033849-61-4
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1033849-67-0	1033849-68-1	1033849-69-2	1033849-70-5	1033849-71-6
1033849-72-7	1033849-73-8	1033849-74-9	1033849-75-0	1033849-76-1
1033849-77-2	1033849-78-3	1033849-80-7	1033849-82-9	1033849-84-1
1033849-86-3	1033849-88-5	1033849-90-9	1033849-93-2	1033849-95-4
1033849-97-6	1033849-99-8	1033850-00-8	1033850-01-9	1033850-02-0
1033850-03-1	1033850-04-2	1033850-05-3	1033850-06-4	1033850-07-5
1033850-08-6	1033850-09-7	1033850-10-0	1033850-11-1	

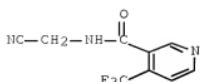
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (pest control composition)

IT 158062-67-0D, Flonicamid, mixts. with amides

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as pest control compns.)

RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



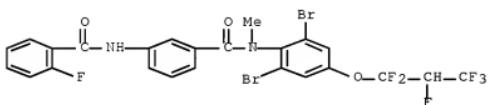
IT	1033847-52-7	1033847-59-4	1033847-67-4
	1033847-75-4	1033847-83-4	1033848-92-0
	1033848-36-0	1033848-43-9	1033848-49-5
	1033848-58-6	1033848-68-8	1033848-77-9
	1033848-87-1	1033848-96-2	

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(pest control composition)

RN 1033847-52-7 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

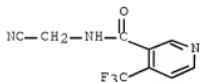
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CRN 1033623-21-0  
CMF C24 H15 Br2 F7 N2 O3



CM 2

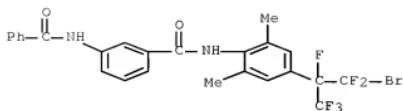
CRN 158062-67-0  
CMF C9 H6 F3 N3 O



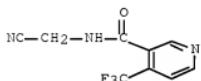
RN 1033847-59-4 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

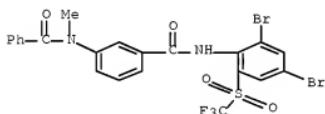
CRN 917920-14-0  
CMF C25 H19 Br F6 N2 O2



CM 2

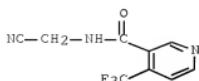
CRN 158062-67-0  
CMF C9 H6 F3 N3 ORN 1033847-67-4 HCAPLUS  
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 1033847-30-1  
CMF C22 H15 Br2 F3 N2 O4 S

CM 2

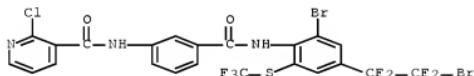
CRN 158062-67-0  
CMF C9 H6 F3 N3 O



RN 1033847-75-4 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

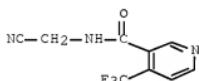
CM 1

CRN 1033623-35-6  
 CMF C22 H11 Br2 Cl F7 N3 O2 S



CM 2

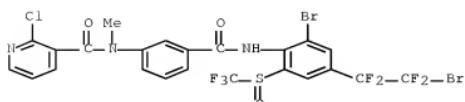
CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



RN 1033847-83-4 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

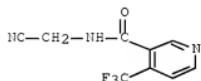
CM 1

CRN 1033623-29-8  
 CMF C23 H13 Br2 Cl F7 N3 O3 S



CM 2

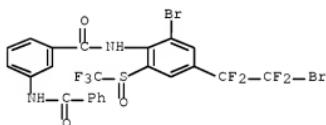
CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



RN 1033848-02-0 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

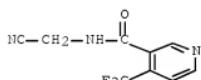
CM 1

CRN 1033623-43-6  
 CMF C23 H13 Br2 F7 N2 O3 S



CM 2

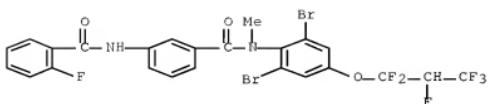
CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



RN 1033848-36-0 HCAPLUS  
 CN INDEX NAME NOT YET ASSIGNED

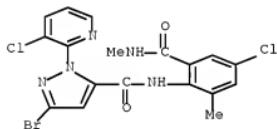
CM 1

CRN 1033623-21-0  
 CMF C24 H15 Br2 F7 N2 O3



CM 2

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2

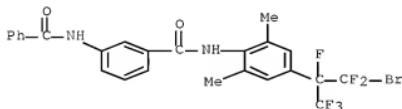


RN 1033848-43-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 3-(benzoylamino)-N-[4-[1-(bromodifluoromethyl)-1,2,2,2-tetrafluoroethyl]-2,6-dimethylphenyl]benzamide (CA INDEX NAME)

CM 1

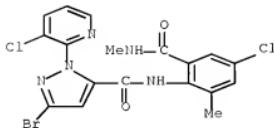
CRN 917920-14-0  
 CMF C25 H19 Br F6 N2 O2



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



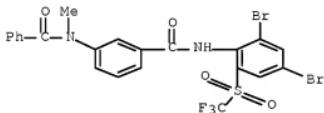
RN 1033848-49-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[2,4-dibromo-6-[(trifluoromethyl)sulfonyl]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

CM 1

CRN 1033847-30-1

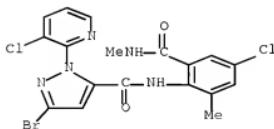
CMF C22 H15 Br2 F3 N2 O4 S



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

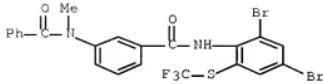


RN 1033848-58-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[2,4-dibromo-6-[(trifluoromethyl)thio]phenyl]amino]carbonyl]phenyl]-N-methylbenzamide (CA INDEX NAME)

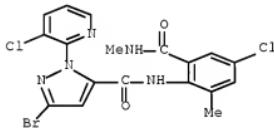
CM 1

CRN 917920-05-9  
 CMF C22 H15 Br2 F3 N2 O2 S



CM 2

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2

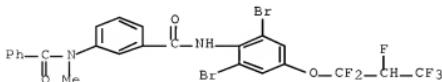


RN 1033848-68-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[3-[[2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]phenyl-N-methylbenzamide (CA INDEX NAME)

CM 1

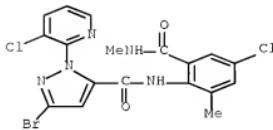
CRN 1033623-40-3  
 CMF C24 H16 Br2 F6 N2 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



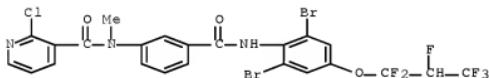
RN 1033848-77-9 HCAPLUS

CN 3-Pyridinecarboxamide, 2-chloro-N-[3-[[2,6-dibromo-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]phenyl]-N-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 1033623-32-3

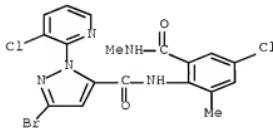
CMF C23 H14 Br2 Cl F6 N3 O3



CM 2

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

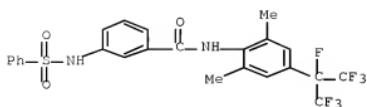


RN 1033848-87-1 HCAPLUS

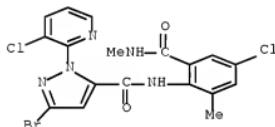
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[2,6-dimethyl-4-[(1,1,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-3-[(phenylsulfonyl)amino]benzamide (CA INDEX NAME)

CM 1

CRN 917923-49-0  
 CMF C24 H19 F7 N2 O3 S

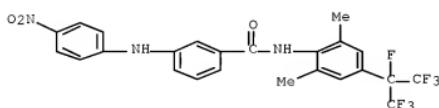


CM 2  
 CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



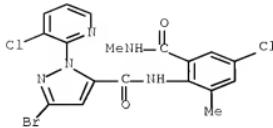
RN 1033848-96-2 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[2,6-dimethyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-3-[(4-nitrophenyl)amino]benzamide (CA INDEX NAME)

CM 1  
 CRN 917923-71-8  
 CMF C24 H18 F7 N3 O3



CM 2  
 CRN 500008-45-7

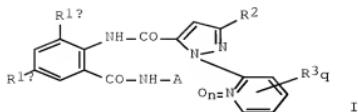
CMF C18 H14 Br C12 N5 O2



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 10 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:735755 HCAPLUS Full-text  
 DOCUMENT NUMBER: 149:47043  
 TITLE: Synergistic insecticidal compositions comprising an anthranilamide derivative  
 INVENTOR(S): Koyanagi, Toru; Morita, Masayuki; Yoneda, Tetsuo;  
 Ueda, Tsuyoshi; Kiriya, Kazuhisa; Hamamoto, Taku  
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan  
 SOURCE: PCT Int. Appl., 82pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008072783	A1	20080619	WO 2007-JP74372	20071212
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			JP 2006-331585	A 20061214
			JP 2007-105029	A 20070412
OTHER SOURCE(S): GI		MARPAT 149:47043		



AB Synergistic insecticidal and ectoparasiticidal compns. contain a anthranilamide derivs. I [R<sub>1a</sub>, R<sub>1b</sub> = halo; R<sub>2</sub>, R<sub>3</sub> = halo, alkyl, haloalkyl, alkoxy, haloalkoxy or cyano; A = alkyl substituted by Y; Y = (un)substituted C<sub>3</sub>-4 cycloalkyl; n = 0 or 1; q = 0, 1-4] and another pesticide.

5-4 (Agrochemical Bioregulators)

IT Insecticides

(compns. comprising anthranilamide derivative)

IT 1031756-99-6	1031757-01-3	1031757-03-5	1031757-05-7	
1031757-07-9	1031757-10-4	1031757-14-8	1031757-17-1	1031757-19-3
1031757-21-7	1031757-23-9	1031757-26-2	1031757-28-4	1031757-30-8
1031757-32-0	1031757-34-2	1031757-36-4	1031757-38-6	1031757-41-1
1031757-43-3	1031757-45-5	1031757-47-7	1031757-49-9	1031757-51-3
1031757-54-6	1031757-56-8	1031757-58-0	1031757-60-4	1031757-62-6
1031757-64-8	1031757-66-0	1031757-69-3	1031757-71-7	1031757-74-0
1031757-76-2	1031757-78-4	1031757-80-8	1031757-82-0	1031757-84-2
1031757-86-4	1031757-88-6	1031757-90-0	1031757-92-2	1031757-94-4

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL

(Biological study); USES (Uses)

(synergistic insecticidal compn)

IT 112410-23-8D, Tebufenozide, mixts. with anthranilamide derivs.	
112839-32-4D, Furconazole-cis, mixts. with anthranilamide derivs.	
114369-43-6D, Fenbuconazole, mixts. with anthranilamide derivs.	
115852-48-7D, Fenoxanil, mixts. with anthranilamide derivs.	
116255-48-2D, Bromuconazole, mixts. with anthranilamide derivs.	
116714-46-6D, Novaluron, mixts. with anthranilamide derivs.	
117428-22-5D, Picoxystrobin, mixts. with anthranilamide derivs.	
118134-30-8D, Spiroxamine, mixts. with anthranilamide derivs.	
119168-77-3D, Tebufenpyrad, mixts. with anthranilamide derivs.	
119446-68-3D, Difenconazole, mixts. with anthranilamide derivs.	
119544-94-4D, Protrifentebut, mixts. with anthranilamide derivs.	
119791-41-2D, Emamectin, mixts. with anthranilamide derivs.	
120068-37-3D, Fipronil, mixts. with anthranilamide derivs. 120116-88-3D, Cyazofamid, mixts. with anthranilamide derivs. 120928-09-8D, Fenaziquin, mixts. with anthranilamide derivs. 121451-02-3D, Noviflumuron, mixts. with anthranilamide derivs. 121552-61-2D, Cyprodinil, mixts. with anthranilamide derivs. 122453-73-0D, Chlormequat, mixts. with anthranilamide derivs. 123312-89-0D, Pyrimethrin, mixts. with anthranilamide derivs. 124495-18-7D, Quinoxifen, mixts. with anthranilamide derivs. 125116-23-6D, Metconazole, mixts. with anthranilamide derivs. 125225-28-7D, Ipcconazole, mixts. with anthranilamide derivs. 126069-54-3D, Phosphocarb, mixts. with anthranilamide derivs. 126833-17-8D, Fenhexamid, mixts. with anthranilamide derivs. 129558-76-5D, Tolfenpyrad, mixts. with anthranilamide derivs. 130000-40-7D, Thifluzamide, mixts. with anthranilamide derivs. 131341-86-1D, Fludioxonil, mixts. with anthranilamide derivs. 131807-57-3D, Famoxadone, mixts. with anthranilamide derivs. 131860-33-8D, Azoxystrobin, mixts. with anthranilamide derivs. 133855-98-8D, Epoxiconazole, mixts. with	

anthranilamide derivs. 134098-61-6D, Fenpyroximate, mixts. with  
 anthranilamide derivs. 135410-20-7D, Acetamiprid, mixts. with  
 anthranilamide derivs. 136426-54-5D, Fluquinconazole, mixts. with  
 anthranilamide derivs. 138261-41-3D, Imidacloprid, mixts. with  
 anthranilamide derivs. 139920-32-4D, Diclofem, mixts. with  
 anthranilamide derivs. 139968-49-3D, Metaflumizone, mixts. with  
 anthranilamide derivs. 140163-89-9D, Imicyafos, mixts. with  
 anthranilamide derivs. 140923-17-7D, Iprovalicarb, mixts. with  
 anthranilamide derivs. 141517-21-7D, Trifloxystrobin, mixts. with  
 anthranilamide derivs. 143390-89-0D, Kresoximethyl, mixts. with  
 anthranilamide derivs. 143807-66-3D, Chromafenozide, mixts. with  
 anthranilamide derivs. 148477-71-8D, Spirodiclofen, mixts. with  
 anthranilamide derivs. 149508-90-7D, Sipconazole, mixts. with  
 anthranilamide derivs. 149877-41-8D, Bifenazate, mixts. with  
 anthranilamide derivs. 149961-52-4D, Dimoxystrobin, mixts. with  
 anthranilamide derivs. 150824-47-8D, Nitennpyram, mixts. with  
 anthranilamide derivs. 153233-91-1D, Etoxazole, mixts. with  
 anthranilamide derivs. 153719-23-4D, Thiamethoxam, mixts. with  
 anthranilamide derivs. 155569-91-8D, Emaectin benzoate, mixts. with  
 anthranilamide derivs. 156052-68-5D, Zoxamide, mixts. with  
 anthranilamide derivs. 158062-67-0D, Flonicamid, mixts. with  
 anthranilamide derivs. 161050-58-4D, Methoxyfenoxide, mixts. with  
 anthranilamide derivs. 161326-34-7D, Fenamidone, mixts. with  
 anthranilamide derivs. 162650-77-3D, Ethaboxam, mixts. with  
 anthranilamide derivs. 165252-70-0D, Dinotefuran, mixts. with  
 anthranilamide derivs. 168316-95-8D, Spinosad, mixts. with  
 anthranilamide derivs. 170013-32-4D, Flufenirim, mixts. with  
 anthranilamide derivs. 173584-44-6D, Indoxacarb, mixts. with  
 anthranilamide derivs. 174212-12-5D, Oxoconazole fumarate, mixts. with  
 anthranilamide derivs. 175013-18-0D, Pyraclostrobin, mixts. with  
 anthranilamide derivs. 175217-20-6D, Siltophan, mixts. with  
 anthranilamide derivs. 178928-70-6D, Prothioconazole, mixts. with  
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 anthranilamide derivs. 182916-02-5D, Metominofen, mixts. with  
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 derivs. 188425-85-6D, Boscalid, mixts. with anthranilamide derivs.  
 189278-12-4D, Proquinazid, mixts. with anthranilamide derivs.  
 203313-25-1D, Spirotetramat, mixts. with anthranilamide derivs.  
 210880-92-5D, Clothianidin, mixts. with anthranilamide derivs.  
 211867-47-9D, Flumorph, mixts. with anthranilamide derivs. 220899-03-6D,  
 Metrafenone, mixts. with anthranilamide derivs. 223419-20-3D,  
 Profluthrin, mixts. with anthranilamide derivs. 223580-51-6D, Tiadinil,  
 mixts. with anthranilamide derivs. 229977-93-9D, Fluacrypyrim, mixts.  
 with anthranilamide derivs. 240494-70-6D, ,Metofluthrin, mixts. with  
 anthranilamide derivs. 248593-16-0D, Orysastrobin, mixts. with  
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 anthranilamide derivs. 315208-17-4D, Pyrafluprole, mixts. with  
 anthranilamide derivs. 337458-27-2D, Pyrifluquinazon, mixts. with  
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 anthranilamide derivs. 361377-29-9D, Fluoxastrobin, mixts. with  
 anthranilamide derivs. 394730-71-3D, Pyriproxyfen, mixts. with  
 anthranilamide derivs. 400882-07-7D, Cyflumetofen, mixts. with  
 anthranilamide derivs. 413615-35-7D, Benthiavalicarb-, mixts. with  
 anthranilamide derivs. 500008-45-7D, Chlorantraniliprole, mixts.  
 with anthranilamide derivs. 560121-52-0D, Cyenopyrafen, mixts. with  
 anthranilamide derivs. 863549-51-3D, Lepimectin, mixts. with  
 anthranilamide derivs. 935545-74-7D, DE 175, mixts. with anthranilamide

derivs. 937279-54-4D, HGW 86, mixts. with anthranilamide derivs.  
 946494-18-4D, UBF 307, mixts. with anthranilamide derivs. 946494-19-5D,  
 KIF 7767, mixts. with anthranilamide derivs. 946494-20-8D, Syngenta  
 446510, mixts. with anthranilamide derivs. 1031756-98-5D, mixts. containing  
 1031757-98-8D, mixts. containing 1031758-00-5D, mixts. containing  
 1032110-39-6D, BCM 062, mixts. with anthranilamide derivs.  
 1032111-18-4D, BCM 061, mixts. with anthranilamide derivs.  
 1032111-42-4D, BCF 051, mixts. with anthranilamide derivs.

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic insecticidal compns.)

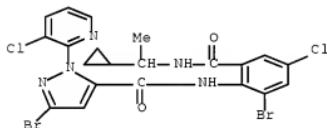
IT 1031756-39-6  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic insecticidal compn)

RN 1031756-99-6 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
 3-bromo-N-[2-bromo-4-chloro-6-[(1-cyclopropylethyl)amino]carbonyl]phenyl]-  
 1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

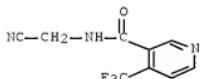
CM 1

CRN 1031756-98-5  
 CMF C21 H17 Br2 Cl2 N5 O2



CM 2

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O

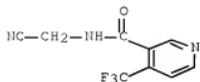


IT 158062-67-0D, Flonicamid, mixts. with anthranilamide derivs.  
 203313-25-1D, Spirotetramat, mixts. with anthranilamide derivs.  
 500008-45-7D, Chlorantraniliprole, mixts. with anthranilamide  
 derivs.

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)

(synergistic insecticidal compns.)

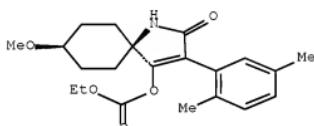
RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
NAME)

RN 203313-25-1 HCPLUS

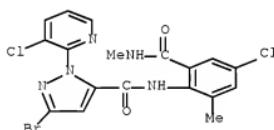
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 11 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:734097 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 149:47042

TITLE: Preparation of oligosaccharides for nodulation promoting and insecticidal compositions

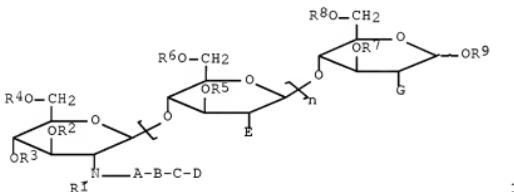
INVENTOR(S): Hungenberg, Heike; Thielert, Wolfgang; Vors, Jean-Pierre

PATENT ASSIGNEE(S): Bayer Cropscience SA, Fr.

SOURCE: PCT Int. Appl., 131pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008071674	A2	20080619	WO 2007-EP63639	20071211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

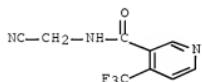
PRIORITY APPLN. INFO.: EP 2006-356144 A 20061212  
 OTHER SOURCE(S): MARPAT 149:47042  
 GI



- AB Oligosaccharides I [A = CO, CS, CH<sub>2</sub>, etc; B = (hetero)arylene, naphthylene, etc.; C = O, S, CH<sub>2</sub>, etc.; D = hydrocarbyl; E, G = H, OH, (un)substituted OH or NH<sub>2</sub>; R1 = H, alkyl, etc.; R2, R3, R6 = H, alkyl, C(O)NH<sub>2</sub>, C(NH)NH<sub>2</sub>, etc.; R4 = H, alkyl, etc.; R5 = H, alkyl, fucosyl, etc.; R7 = H, alkyl, arabinosyl, etc.; R8 = H, alkyl, fucosyl, methylfusosyl, sulfosucosyl, etc.; R9 = H, alkyl, mannose, glycerol, etc.; n = 1, 2, or 3] are prepared I in combination with a known insecticide are nodulation agents of leguminous plants and an insecticide compns. A composition further comprises an addnl. fungicide.
- CC 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 19, 33
- IT Insecticides  
 (nodulation promoting and insecticidal compns.)
- IT 86811-58-7D, Fluazuron, mixts. with oligosaccharides 89583-90-4D,  
 ,Clothiazoben, mixts. with oligosaccharides 89784-60-1D, Pyraclofos,  
 mixts. with oligosaccharides 90338-20-8D, Butathiofos, mixts. with

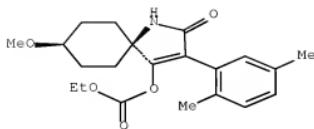
oligosaccharides 95465-99-9D, Sebufos, mixts. with oligosaccharides 96182-53-5D, Tebupirimfos, mixts. with oligosaccharides 96489-71-3D, Pyridaben, mixts. with oligosaccharides 98886-44-3D, Fosthiazate, mixts. with oligosaccharides 101007-06-1D, Acrinathrin, mixts. with oligosaccharides 101463-69-8D, Flufenoxuron, mixts. with oligosaccharides 102851-06-9D, Taufluvalinate, mixts. with oligosaccharides 103055-07-8D, ,Lufenuron, mixts. with oligosaccharides 103827-27-6D, Pirimiphos, mixts. with oligosaccharides 104030-54-8D, Carpropamid, mixts. with oligosaccharides and insecticides 105024-66-6D, Silafluofen, mixts. with oligosaccharides 105779-78-0D, Pyrimidifen, mixts. with oligosaccharides 105843-36-5D, Imidaclothiz, mixts. with oligosaccharides 107534-96-3D, Tebuconazole, mixts. with oligosaccharides and insecticides 107713-58-6D, Flufenprox, mixts. with oligosaccharides 111872-58-3D, Fubfenprox, mixts. with oligosaccharides 111988-49-9D, Thiaclorpid, mixts. with oligosaccharides 112143-82-5D, Triazamate, mixts. with oligosaccharides 112226-61-6D, Halofenozide, mixts. with oligosaccharides 112410-23-8D, Tebufenozone, mixts. with oligosaccharides 112636-83-6D, Dicyclanil, mixts. with oligosaccharides 113036-88-7D, Flucycloxuron, mixts. with oligosaccharides 116714-46-6D, Novaluron, mixts. with oligosaccharides 118712-89-3D, Transfluthrin, mixts. with oligosaccharides 119168-77-3D, Tebufenpyrad, mixts. with oligosaccharides 119544-94-4D, Protrifenbute, mixts. with oligosaccharides 119791-41-2D, Emamectin, mixts. with oligosaccharides 120068-37-3D, Fipronil, mixts. with oligosaccharides 120928-09-8D, Fenazaquin, mixts. with oligosaccharides 121451-02-3D, Noviflumuron, mixts. with oligosaccharides 122431-24-7D, Flupyrazofos, mixts. with oligosaccharides 122453-73-0D, Chlorfenapyr, mixts. with oligosaccharides 123312-89-0D, Pymetrozine, mixts. with oligosaccharides 125225-28-7D, Ipconazole, mixts. with oligosaccharides and insecticides 126069-54-3D, Phosphocarb, mixts. with oligosaccharides 129558-76-5D, Tolfenpyrad, mixts. with oligosaccharides 131983-72-7D, Triticonazole, mixts. with oligosaccharides and insecticides 134098-61-6D, Fenpyroximate, mixts. with oligosaccharides 135410-20-7D, Acetamiprid, mixts. with oligosaccharides 136426-54-5D, Fluquinoxonazole, mixts. with oligosaccharides and insecticides 138261-41-3D, Imidacloprid, mixts. with oligosaccharides 141517-21-7D, Trifloxystrobin, mixts. with oligosaccharides and insecticides 143807-66-3D, Chromafenozone, mixts. with oligosaccharides 145767-97-1D, Vaniliprole, mixts. with oligosaccharides 148477-71-2D, Spirodiclofen, mixts. with oligosaccharides 149877-41-8D, Bifenazate, mixts. with oligosaccharides 150824-47-8D, Nitencypram, mixts. with oligosaccharides 153233-91-1D, Etoxazole, mixts. with oligosaccharides 153719-23-4D, Thiamethoxam, mixts. with oligosaccharides 155569-91-8D, Emamectin benzoate, mixts. with oligosaccharides 158062-67-0D, Flonicamid, mixts. with oligosaccharides 160791-64-0D, ZKI 8901, mixts. with oligosaccharides 161050-58-4D, Methoxyfenozide, mixts. with oligosaccharides 161326-34-7D, Fenamidone, mixts. with oligosaccharides and insecticides 162320-67-4D, Flufenzin, mixts. with oligosaccharides 165252-70-0D, Dinotefuran, mixts. with oligosaccharides 168316-95-8D, Spinosad, mixts. with oligosaccharides 170015-32-4D, Flufenirim, mixts. with oligosaccharides 173584-44-6D, Indoxacarb, mixts. with oligosaccharides 178928-70-6D, Prothioconazole, mixts. with oligosaccharides and insecticides 179101-81-6D, Pyridalyl, mixts. with oligosaccharides 181587-01-9D, Ethiprole, mixts. with oligosaccharides 185982-80-3D, mixts. with oligosaccharides 185984-60-5D, mixts. with oligosaccharides 203313-25-1D, mixts. with oligosaccharides 209861-58-5D, Acetoprole, mixts. with oligosaccharides 210880-92-5D, Clothianidin, mixts. with oligosaccharides 223419-20-3D, Profluthrin, mixts. with oligosaccharides 224049-04-1D, Isotianil, mixts. with oligosaccharides and insecticides 229977-93-9D, ,Fluacrypyrim, mixts. with

oligosaccharides 237055-17-3D, Propamocarb fosetylate, mixts. with oligosaccharides and insecticides 239110-15-7D, Fluopicolide, mixts. with oligosaccharides and insecticides 240494-70-6D, Metofluthrin, mixts. with oligosaccharides 272451-65-7D, mixts. with oligosaccharides 283594-90-1D, Spiromesifen, mixts. with oligosaccharides 303021-82-1D, mixts. with oligosaccharides 315208-17-4D, Pyrafluprole, mixts. with oligosaccharides 361377-29-9D, Fluoxastrobin, mixts. with oligosaccharides and insecticides 382608-18-8D, mixts. with oligosaccharides 394730-71-3D, PYriproxyfen, mixts. with oligosaccharides 400882-07-7D, Cyflumetofen, mixts. with oligosaccharides 494793-67-8D, mixts. with oligosaccharides and insecticides 500008-45-7D, Rynaxypyran, mixts. with oligosaccharides 548460-64-6D, 1R-Tetramethrin, mixts. with oligosaccharides 581809-46-3D, Bixafen, mixts. with oligosaccharides and insecticides 658066-35-4D, Fluopyram, mixts. with oligosaccharides and insecticides 795297-88-0D, salts, mixts. containing 795297-89-1D, salts, mixts. containing 795297-90-4D, salts, mixts. containing  
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 795297-91-5D, salts, mixts. containing 855774-49-1D, mixts. containing 855774-53-7D, mixts. containing 855774-54-8D, mixts. containing 855833-74-8D,  
 salts, mixts. containing 855833-75-9D, salts, mixts. containing 855833-76-0D,  
 salts, mixts. containing 863549-51-3D, Lepimectin, mixts. with oligosaccharides 874967-67-6D, mixts. with oligosaccharides and insecticides 935545-74-7D, Spinetoram, mixts. with oligosaccharides 1032329-17-1D, mixts. containing 1032329-20-6D, mixts. containing 1032329-25-1D, mixts. containing 1033003-78-9D, mixts. containing 1033003-95-0D, mixts. containing 1033004-07-7D, mixts. containing 1033004-09-9D, mixts. containing 1033004-13-5D, mixts. containing 1033004-14-6D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (nodulation promoting and insecticidal compns.)  
 IT 158062-67-0D, Flonicamid, mixts. with oligosaccharides 203313-25-1D, mixts. with oligosaccharides 382608-10-8D, Rynaxypyran, mixts. with oligosaccharides  
 RN 158062-67-0 HCPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

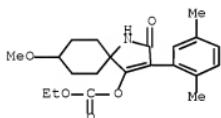


RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

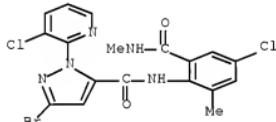
Relative stereochemistry.



RN 382608-10-8 HCPLUS  
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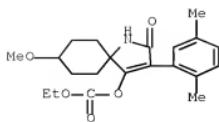


RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

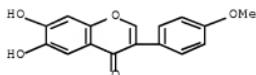


L30 ANSWER 12 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:675069 HCPLUS [Full-text](#)  
 DOCUMENT NUMBER: 149:3149  
 TITLE: Insecticidal, acaricidal and nematocidal mixtures containing formononetin  
 INVENTOR(S): Andersch, Wolfram; Hungenberg, Heike; Mansfield, Darren  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany  
 SOURCE: PCT Int. Appl., 39pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064778	A2	20080605	WO 2007-EP9898	20071116
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 1020060656544	A1	20080605	DE 2006-102006056544	20061129
PRIORITY APPLN. INFO.:			DE 2006-102006056544A	20061129
AB The invention relates to active ingredient combinations consisting of formononetin and a known insecticide. The combinations are suitable for controlling insects, acarids or nematodes.				
IC ICM A01N				
CC 5-4 (Agrochemical Bioregulators)				
IT Acaricides				
Insecticides				
Nematicides				
(mixts. containing formononetin)				
IT 1028470-81-6	1028470-84-9	1028470-87-2	1028470-90-7	1028470-93-0
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1028471-12-6	1028471-15-9	1028471-18-2	1028471-21-7	1028471-24-0
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1028471-57-1	1028471-70-6	1028471-73-9	1028471-76-2	
1028471-79-5	1028471-82-0	1028471-85-3	1028471-88-6	1028471-91-1
1028471-94-4	1028472-00-5	1028472-04-9	1028472-07-2	1028472-10-7
1028472-13-0	1028472-16-3	1028472-19-6	1028472-22-1	1028472-26-5
1028472-33-4	1028472-37-8	1028472-41-4	1028472-45-8	1028472-50-5
1028472-53-8	1028472-56-1	1028472-59-4	1028472-63-0	1028472-66-3
1028472-69-6	1028472-72-1	1028472-75-4	1028472-78-7	1028472-81-2
1028472-84-5	1028472-87-8	1028472-90-3	1028472-93-6	1028472-96-9
1028472-99-2	1028473-03-1	1028473-06-4	1028473-09-7	1028473-12-2
1028473-15-5	1028810-21-0	1028939-27-6		
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticidal, acaricidal and nematocidal composition)				
IT 1028471-55-7 1028471-58-0 1028471-67-1				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticidal, acaricidal and nematocidal composition)				
RN 1028471-55-7 HCAPLUS				
CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)				
CM 1				
CRN 382608-10-8				
CMF C21 H27 N O5				



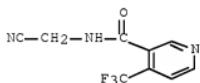
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CRN 897-46-1  
CMF C16 H12 O5

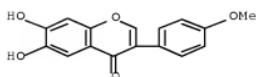
RN 1028471-58-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)

CM 1

CRN 158062-67-0  
CMF C9 H6 F3 N3 O

CM 2

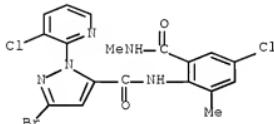
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CMF C16 H12 O5

RN 1028471-67-1 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 6,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one (CA INDEX NAME)

CM 1

CRN 500008-45-7

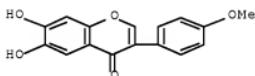
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 897-46-1

CMF C16 H12 O5



L30 ANSWER 13 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:352700 HCAPLUS Full-text  
 DOCUMENT NUMBER: 148:324710  
 TITLE: Synergistic pesticide mixtures comprising sulfonamides  
 INVENTOR(S): Von Deyn, Wolfgang; Langewald, Juergen; Pohlman, Matthias; Kaiser, Florian; Anspaugh, Douglas D.; Van Tuyl Cotter, Henry; Armes, Nigel  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 45pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

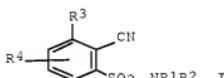
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008031712	A2	20080320	WO 2007-EP58857	20070827

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,  
 GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,  
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
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 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2006-843606P P 20060911  
 OTHER SOURCE(S): MARPAT 148:324710

GI



AB The invention relates to synergistic pesticidal mixts. comprising a sulfonamide derivative I (R1 = H or Me; R2 = H, Me, Et or propargyl; R3 = Cl, MeO or difluoromethoxy; R4 = H or F) and one or more compds. selected from acetylcholine esterase inhibitors, GABA-gated chloride channel antagonists, sodium channel modulators, nicotinic acetylcholine receptor agonists/antagonists, chloride channel activators, juvenile hormone mimics, compds. affecting oxidative phosphorylation, inhibitors of the chitin biosynthesis, molting disruptors, inhibitors of the mitochondrial electron transport, voltage-dependent sodium channel blockers, inhibitors of lipid synthesis, etc. The invention relates further to use of these mixts. for combating insects, arachnids or nematodes in and on plants, and for protecting such plants being infested with pests, especially for protecting seeds. The preparation of N-ethyl-2-cyano-4-fluoro-3-methoxybenzenesulfonamide is given.

CC 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 25

IT Acaricides

Insecticides  
 (mixts. comprising sulfonamides)

IT 1010413-61-2 1010413-63-4 1010413-65-6 1010413-67-8

1010413-69-0 1010413-72-5 1010413-75-8 1010413-77-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic pesticide)

IT 51-03-6D, Piperonyl butoxide, mixts. with sulfonamide derivs. 52-68-6D, Trichlorfon, mixts. with sulfonamide derivs. 54-11-5D, Nicotin, mixts. with sulfonamide derivs. 55-38-9D, Fenthion, mixts. with sulfonamide derivs. 56-38-2D, Parathion, mixts. with sulfonamide derivs. 60-51-5D, Dimethoate, mixts. with sulfonamide derivs. 62-73-7D, Ddvp, mixts. with sulfonamide derivs. 63-25-2D, Carbaryl, mixts. with sulfonamide derivs. 86-50-0D, Azinphosmethyl, mixts. with sulfonamide derivs. 114-26-1D, Propoxur, mixts. with sulfonamide derivs. 115-29-7D, Endosulfan, mixts. with sulfonamide derivs. 116-06-3D, Aldicarb, mixts. with sulfonamide derivs. 121-75-5D, Malathion, mixts. with sulfonamide derivs. 122-14-5D, Fenitrothion, mixts. with sulfonamide derivs. 141-66-2D, Dicrotophos, mixts. with sulfonamide derivs. 298-00-0D, Parathionmethyl,

mixts. with sulfonamide derivs. 298-02-2D, Phorate, mixts. with sulfonamide derivs. 298-04-4D, Disulfoton, mixts. with sulfonamide derivs. 301-12-2D, Oxydemeton-methyl, mixts. with sulfonamide derivs. 333-41-5D, Diazinon, mixts. with sulfonamide derivs. 470-90-6D, Chlorfenvinphos, mixts. with sulfonamide derivs. 563-12-2D, Ethion, mixts. with sulfonamide derivs. 584-79-2D, Allethrin, mixts. with sulfonamide derivs. 732-11-6D, Phosmet, mixts. with sulfonamide derivs. 919-86-8D, Demeton-S-methyl, mixts. with sulfonamide derivs. 950-37-8D, Methidathion, mixts. with sulfonamide derivs. 1113-02-6D, Omethoate, mixts. with sulfonamide derivs. 1563-66-2D, Carbofuran, mixts. with sulfonamide derivs. 2032-65-7D, Methiocarb, mixts. with sulfonamide derivs. 2310-17-0D, Phosalone, mixts. with sulfonamide derivs. 2312-35-8D, Propargite, mixts. with sulfonamide derivs. 2597-03-7D, Phenthroate, mixts. with sulfonamide derivs. 2642-71-9D, Azinphos-ethyl, mixts. with sulfonamide derivs. 2921-88-2D, Chlorpyrifos, mixts. with sulfonamide derivs. 5598-13-0D, Chloryprifosmethyl, mixts. with sulfonamide derivs. 6923-22-4D, Monocrotophos, mixts. with sulfonamide derivs. 7786-34-7D, Mevinphos, mixts. with sulfonamide derivs. 10265-92-6D, Methamidophos, mixts. with sulfonamide derivs. 11141-17-6D, Azadirachtin, mixts. with sulfonamide derivs. 13071-79-9D, Terbufos, mixts. with sulfonamide derivs. 13171-21-6D, Phosphamidon, mixts. with sulfonamide derivs. 13356-08-6D, Fenbutatin oxide, mixts. with sulfonamide derivs. 13593-03-8D, Quinalphos, mixts. with sulfonamide derivs. 15263-52-2D, Cartap hydrochloride, mixts. with sulfonamide derivs. 16752-77-5D, Methomyl, mixts. with sulfonamide derivs. 18854-01-8D, Isoxathion, mixts. with sulfonamide derivs. 22248-79-9D, Tetrachlorvinphos, mixts. with sulfonamide derivs. 23103-98-2D, Pirimicarb, mixts. with sulfonamide derivs. 23135-22-0D, Oxamyl, mixts. with sulfonamide derivs. 24017-47-8D, Triazophos, mixts. with sulfonamide derivs. 29232-93-7D, Pirimiphosmethyl, mixts. with sulfonamide derivs. 30560-19-1D, Acephate, mixts. with sulfonamide derivs. 31895-21-3D, Thiocyclam, mixts. with sulfonamide derivs. 33089-61-1D, Amitraz, mixts. with sulfonamide derivs. 35367-38-5D, Diflubenzuron, mixts. with sulfonamide derivs. 39515-41-8D, Fenpropothrin, mixts. with sulfonamide derivs. 41096-46-2D, Hydroprene, mixts. with sulfonamide derivs. 51596-10-2D, Milbemectin, mixts. with sulfonamide derivs. 51630-58-1D, Fenvalerate, mixts. with sulfonamide derivs. 52315-07-8D, Cypermethrin, mixts. with sulfonamide derivs. 52645-53-1D, Permethrin, mixts. with sulfonamide derivs. 52918-63-5D, Deltamethrin, mixts. with sulfonamide derivs. 55285-14-8D, Carbosulfan, mixts. with sulfonamide derivs. 59669-26-0D, Thiodicarb, mixts. with sulfonamide derivs. 66841-25-6D, Tralomethrin, mixts. with sulfonamide derivs. 67375-30-8D, Alphacypermethrin, mixts. with sulfonamide derivs. 68359-37-5D, Cyfluthrin, mixts. with sulfonamide derivs. 69327-76-0D, Buprofezin, mixts. with sulfonamide derivs. 70124-77-5D, Flucythrinate, mixts. with sulfonamide derivs. 71751-41-2D, Abamectin, mixts. with sulfonamide derivs. 74115-24-5D, Clofentezine, mixts. with sulfonamide derivs. 78587-05-0D, Hexythiazox, mixts. with sulfonamide derivs. 80060-09-9D, Diafenthhiuron, mixts. with sulfonamide derivs. 80844-07-1D, Etofenprox, mixts. with sulfonamide derivs. 82560-54-1D, Benfuracarb, mixts. with sulfonamide derivs. 82657-04-3D, Bifenthrin, mixts. with sulfonamide derivs. 83121-18-0D, Teflubenzuron, mixts. with sulfonamide derivs. 83130-01-2D, Alancarb, mixts. with sulfonamide derivs. 84466-05-7D, Amidoflumet, mixts. with sulfonamide derivs. 86479-06-3D, Hexaflumuron, mixts. with sulfonamide derivs. 95737-68-1D, Pyriproxyfen, mixts. with sulfonamide derivs. 96489-71-3D, Pyridaben, mixts. with sulfonamide derivs. 101463-69-8D, Flufenoxuron, mixts. with sulfonamide derivs. 102851-06-9D, Taufluvalinate, mixts. with sulfonamide derivs.

103055-07-8D, Lufenuron, mixts. with sulfonamide derivs. 105024-66-6D, Silafluofen, mixts. with sulfonamide derivs. 111988-49-9D, Thiacloprid, mixts. with sulfonamide derivs. 112410-23-8D, Tebufenozone, mixts. with sulfonamide derivs. 116714-46-6D, Novaluron, mixts. with sulfonamide derivs. 120068-37-3D, Fipronil, mixts. with sulfonamide derivs. 122431-24-7D, Flupyrazofos, mixts. with sulfonamide derivs. 122453-73-0D, Chlorfenapyr, mixts. with sulfonamide derivs. 123312-89-0D, Pymetrozine, mixts. with sulfonamide derivs. 129558-76-5D, Tolfenpyrad, mixts. with sulfonamide derivs. 135410-20-7D, Acetamiprid, mixts. with sulfonamide derivs. 138261-41-3D, Imidacloprid, mixts. with sulfonamide derivs. 139968-49-3D, Metaflumizone, mixts. with sulfonamide derivs. 145767-97-1D, Vaniliprole, mixts. with sulfonamide derivs. 148477-71-8D, Spirodiclofen, mixts. with sulfonamide derivs. 149877-41-8D, Bifenazate, mixts. with sulfonamide derivs. 150824-47-8D, Nitenpyram, mixts. with sulfonamide derivs. 153233-91-1D, Etoxazole, mixts. with sulfonamide derivs. 153719-23-4D, Thiamethoxam, mixts. with sulfonamide derivs. 155659-91-8D, Emamectin benzoate, mixts. with sulfonamide derivs. 156819-70-4D, mixts. with sulfonamide derivs. 156820-38-1D, mixts. with sulfonamide derivs. 158062-67-0D, Flonicamid, mixts. with sulfonamide derivs. 161050-58-4D, Methoxyfenozide, mixts. with sulfonamide derivs. 165252-70-0D, Dinotefuran, mixts. with sulfonamide derivs. 168316-95-8D, Spinosad, mixts. with sulfonamide derivs. 173584-44-6D, Indoxacarb, mixts. with sulfonamide derivs. 179101-81-6D, Pyridalyl, mixts. with sulfonamide derivs. 181587-01-9D, Ethiprole, mixts. with sulfonamide derivs. 203313-25-1D, Spirotetramat, mixts. with sulfonamide derivs. 208652-17-9D, mixts. with sulfonamide derivs. 209861-58-5D, Acetoprole, mixts. with sulfonamide derivs. 210880-92-5D, Clothianidin, mixts. with sulfonamide derivs. 272451-65-7D, Flubendiamide, mixts. with sulfonamide derivs. 283594-90-1D, Spiromesifen, mixts. with sulfonamide derivs. 315208-17-4D, Pyrafluprole, mixts. with sulfonamide derivs. 337458-27-2D, Pyrifluquinazon, mixts. with sulfonamide derivs. 394730-71-3D, Pyriproxyfen, mixts. with sulfonamide derivs. 400882-07-7D, Cyflumetofen, mixts. with sulfonamide derivs. 500008-45-7D, Chlorantraniliprole, mixts. with sulfonamide derivs. 560121-52-0D, Cyenopyrafen, mixts. with sulfonamide derivs. 736994-63-1D, mixts. with sulfonamide derivs. 863549-51-3D, Lepimectin, mixts. with sulfonamide derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic pesticides)

IT 1010413-67-8 1010413-77-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic pesticide)

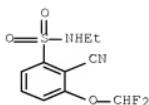
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CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with 2-cyano-3-(difluoromethoxy)-N-ethylbenzenesulfonamide (CA INDEX NAME)

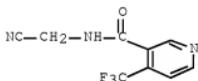
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CRN 850154-70-0

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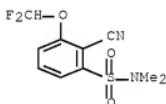


CM 2

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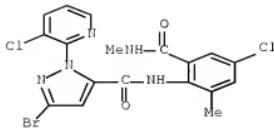
RN 1010413-77-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylanino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-cyano-3-(difluoromethoxy)-N,N-dimethylbenzenesulfonamide (CA INDEX NAME)

CM 1

CRN 889097-30-7  
CMF C10 H10 F2 N2 O3 S

CM 2

CRN 500008-45-7  
CMF C18 H14 Br Cl2 N5 O2



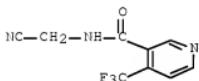
IT 158062-67-0D, Fliconamid, mixts. with sulfonamide derivs.  
203313-25-1D, Spirotetramat, mixts. with sulfonamide derivs.

500008-45-7D, Chlorantraniliprole, mixts. with sulfonamide derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic pesticides)

RN 158062-67-0 HCPLUS

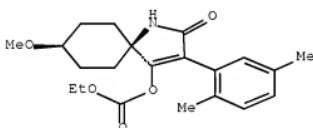
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 203313-25-1 HCPLUS

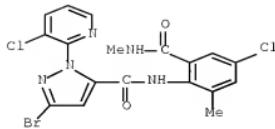
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 14 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:72081 HCAPLUS Full-text  
 DOCUMENT NUMBER: 148:114856  
 TITLE: Method of controlling or preventing pathogenic damage  
 in a plant propagation material  
 INVENTOR(S): Brandl, Franz; Oostendorp, Michael; Zeun, Ronald  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 34pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008006541	A2	20080117	WO 2007-EP6087	20070710
WO 2008006541	A3	20080508		
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			

PRIORITY APPLN. INFO.: EP 2006-14447 A 20060712  
 AB The invention relates to a method of controlling or preventing pathogenic damage in a plant propagation material, a plant, parts of a plant and/or plant organs that grow at a later point in time. The method comprises applying on the plant propagation material a composition comprising a formulated mixture of components (A) penthiopyrad, (B) one or more fungicides, and (C) one or more formulation adjuvants as defined in the patent claims, and may further comprise addition of an insecticide and/or nematicide.

IC ICM A01N  
 CC 5-2 (Agrochemical Bioregulators)  
 IT Coloring materials  
 Insecticides  
 Nematicides  
 Pesticide formulations  
 Plant pathogen  
 Plant tissue  
 Reproduction, plant

## Seed

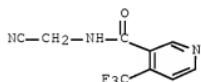
(method of controlling or preventing pathogenic damage in plant propagation material)

IT 148-79-8D, mixture 333-41-5D, mixture 950-37-8D, mixture 2032-65-7D, mixture  
 41198-08-7D, mixture 52645-53-1D, mixture 53112-28-0D, mixture  
 57837-19-1D, mixture 59669-26-0D, mixture 66215-27-8D, mixture  
 67747-09-5D, mixture 68359-37-5D, mixture 70630-17-0D, mixture  
 71626-11-4D, mixture 71751-41-2D, Avermectin B1, mixture 72459-58-6D,  
 mixture 72490-01-8D, mixture 76674-21-0D, mixture 79538-32-2D, mixture  
 80060-09-9D, mixture 98243-83-5D, mixture 98886-44-3D, mixture  
 103055-07-8D, mixture 107534-96-3D, mixture 119446-68-3D, mixture  
 120068-37-3D, mixture 123312-89-0D, mixture 125116-23-6D, mixture  
 125225-28-7D, mixture 131341-86-1D, mixture 131860-33-8D, mixture  
 131983-72-7D, mixture 135410-20-7D, mixture 136426-54-5D, mixture  
 138261-41-3D, mixture 139968-49-3D, mixture 141517-21-7D, mixture  
 153719-23-4D, mixture 155569-91-8D, mixture 158062-67-0D, mixture  
 168316-95-8D, Spinosad, mixture 175013-18-0D, mixture 178928-70-6D,  
 mixture  
 183675-82-3D, mixture 203313-25-1D, mixture 210880-92-5D, mixture  
 272451-65-7D, mixture 374726-62-2D, mixture 500008-45-7D, mixture  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (method of controlling or preventing pathogenic damage in plant propagation material)

IT 156062-67-0D, mixture 203313-25-1D, mixture  
 500008-45-7D, mixture  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (method of controlling or preventing pathogenic damage in plant propagation material)

RN 158062-67-0 HCPLUS

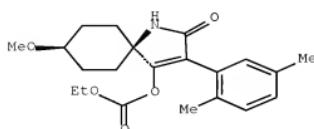
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



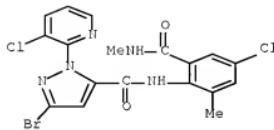
RN 203313-25-1 HCPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.

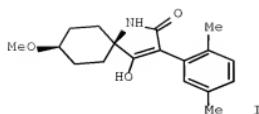


RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 15 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:69199 HCPLUS Full-text  
 DOCUMENT NUMBER: 148:114886  
 TITLE: Insecticidal and acaricidal combinations containing  
 azaspirodecenone derivatives  
 INVENTOR(S): Fischer, Rainer; Andersch, Wolfram; Koenig, Thomas;  
 Kraus, Anton; Salmon, Emmanuel; Hungenberg, Heike  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 51pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008006512	A1	20080117	WO 2007-EP5993	20070706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102006031978	A1	20080117	DE 2006-102006031978	20060711
PRIORITY APPLN. INFO.:			DE 2006-102006031978A	20060711
GI				



**AB** Novel combinations of I or its ethoxycarbonyl derivative and ≥1 of 30 other active ingredients have excellent insecticidal and acaricidal properties. Thus, I + lufenuron at 100 + 100 ppm synergistically controlled *Spodoptera frugiperda* larva on infested cabbage leaves, with 100% mortality after 2 days. In contrast, when the same rates of lufenuron and a mixture of the cis and trans isomers of I were combined, mortality was only 80% after 2 days.

**CC** 5-4 (Agrochemical Bioregulators)

**IT** Acaricides

Insecticides

(mixts. containing azaspirodecenone derivs. as synergistic insecticides and acaricides)

**IT** 115-29-7D, Endosulfan, mixts. with azaspirodecenone derivs. 11141-17-6, Azadirachtin 35367-38-5D, Diflubenzuron, mixts. with azaspirodecenone derivs. 63837-33-2, Diofenolan 64628-44-0D, Triflumuron, mixts. with azaspirodecenone derivs. 66215-27-8, Cyromazine 71422-67-8D, Chlorfluazuron, mixts. with azaspirodecenone derivs. 83121-18-0D, Teflubenzuron, mixts. with azaspirodecenone derivs. 86479-06-3D, Hexaflumuron, mixts. with azaspirodecenone derivs. 101463-69-8D, Flufenoxuron, mixts. with azaspirodecenone derivs. 103055-07-8D, Lufenuron, mixts. with azaspirodecenone derivs. 112226-61-6D, Halofenozide, mixts. with azaspirodecenone derivs. 112410-23-8D, Tebufenozide, mixts. with azaspirodecenone derivs. 116714-46-6D, Novaluron, mixts. with azaspirodecenone derivs. 119791-41-2D, Emamectin, mixts. with azaspirodecenone derivs. 120068-37-3D, Fipronil, mixts. with azaspirodecenone derivs. 121451-02-3D, Noviflumuron, mixts. with azaspirodecenone derivs. 139968-49-3, Metaflumizone 143807-66-3D, Chromafenozide, mixts. with azaspirodecenone derivs. 161050-58-4D, Methoxyfenozide, mixts. with azaspirodecenone derivs. 173584-44-6, Indoxacarb 181587-01-9, Ethiprole 272451-65-7, Flubendiamide 315208-17-4, Pyrafluprole 394730-71-3, Pyriproxyfen 467427-80-1D, JS-118, mixts. with azaspirodecenone derivs. 50008-45-7, Rynaxypyr 1000984-25-7 1000984-26-8 1000984-27-9 1000984-28-0 1000984-29-1 1000984-30-4 1000984-31-5 1000984-32-6 1000984-33-7 1000984-34-8 1000984-35-9 1000984-36-0 1000984-37-1

**RL:** AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic insecticide and acaricide)

**IT** 203312-38-3D, mixts. containing 203312-25-1D, mixts. containing

**RL:** AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic insecticides and acaricides)

**IT** 50008-45-7, Rynaxypyr 1000984-25-7 1000984-26-8

1000984-27-9 1000984-28-0 1000984-30-4

1000984-31-5 1000984-32-6 1000984-33-7

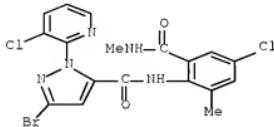
1000984-34-8 1000984-35-9 1000984-37-1

**RL:** AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)

(as synergistic insecticide and acaricide)

RN 500008-45-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

RN 1000984-25-7 HCAPLUS

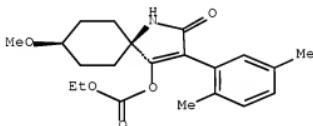
CN Avermectin B1, 4''-deoxy-4'''-(methylamino)-, (4'''R)-, benzoate (1:1),  
mixt. with cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-  
en-4-yl ethyl carbonate (CA INDEX NAME)

CM 1

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 155569-91-8

CMF C7 H6 O2 . Unspecified

CM 3

CRN 119791-41-2

CMF Unspecified

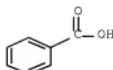
CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

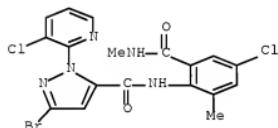
CM 4

CRN 65-85-0

CMF C7 H6 O2

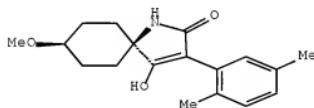


RN 1000984-26-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonylphenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one (CA INDEX NAME)  
 CM 1  
 CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2  
 CRN 203312-38-3  
 CMF C18 H23 N O3

Relative stereochemistry.

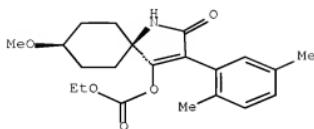


RN 1000984-27-9 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (CA INDEX NAME)

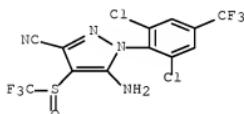
CM 1

CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



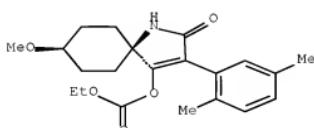
CM 2  
 CRN 120068-37-3  
 CMF C12 H4 Cl2 F6 N4 O S



RN 1000984-28-0 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 2-chloro-N-[{[4-(trifluoromethoxy)phenyl]amino}carbonyl]benzamide (CA INDEX NAME)

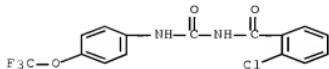
CM 1  
 CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 64628-44-0  
 CMF C15 H10 Cl F3 N2 O3

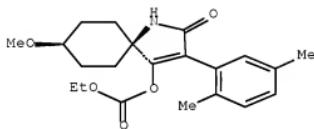


RN 1000984-30-4 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[{[4-[2-chloro-4-(trifluoromethyl)phenoxy]-2-fluorophenyl]amino}carbonyl]-2,6-difluorobenzamide (CA INDEX NAME)

CM 1

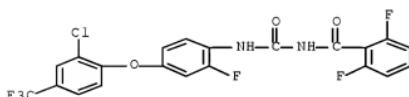
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 101463-69-8  
 CMF C21 H11 Cl F6 N2 O3

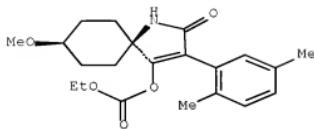


RN 1000984-31-5 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[{[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino}carbonyl]-2,6-difluorobenzamide (CA INDEX NAME)

CM 1

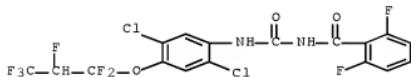
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 103055-07-8  
 CMF C17 H8 Cl2 F8 N2 O3



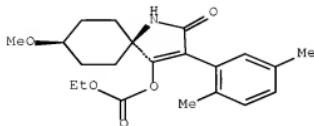
RN 1000984-32-6 HCPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]hydrazinecarboxamide (CA INDEX NAME)

CM 1

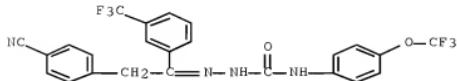
CRN 203313-25-1  
 CMF C21 H27 N O5

Relative stereochemistry.



CM 2

CRN 139968-49-3  
 CMF C24 H16 F6 N4 O2

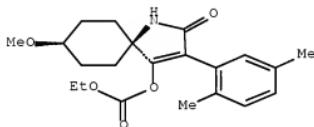


RN 1000984-33-7 HCPLUS  
 CN Indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid,  
 7-chloro-2,5-dihydro-2-[(methoxycarbonyl)[4-(trifluoromethoxy)phenyl]amin o]carbonyl-, methyl ester, (4aS)-, mixt. with cis-3-(2,5-dimethylphenyl)-  
 8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate (CA INDEX  
 NAME)

CM 1

CRN 203313-25-1  
 CMF C21 H27 N O5

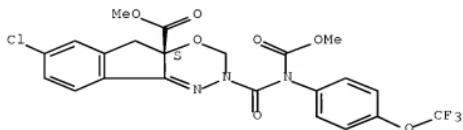
Relative stereochemistry.



CM 2

CRN 173584-44-6  
 CMF C22 H17 Cl F3 N3 O7

Absolute stereochemistry. Rotation (+).



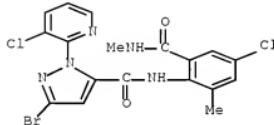
RN 1000984-34-8 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-

azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-(methylamino)carbonylphenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

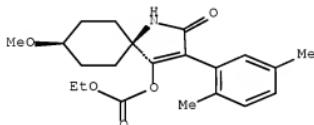


CM 2

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



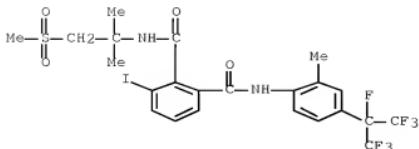
RN 1000984-35-9 HCPLUS

CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide (CA INDEX NAME)

CM 1

CRN 272451-65-7

CMF C23 H22 F7 I N2 O4 S

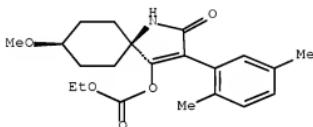


CM 2

CRN 203313-25-1

CMF C21 H27 N O5

Relative stereochemistry.



RN 1000984-37-1 HCPLUS

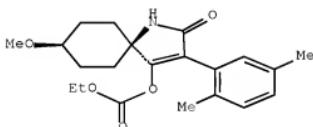
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(ethylsulfinyl)-1H-pyrazole-3-carbonitrile  
(CA INDEX NAME)

CM 1

CRN 203313-25-1

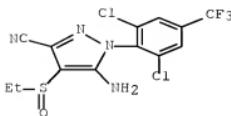
CMF C21 H27 N O5

Relative stereochemistry.



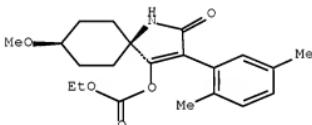
CM 2

CRN 181587-01-9  
 CMF C13 H9 Cl2 F3 N4 O S



IT 203313-25-1D, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as synergistic insecticides and acaricides)  
 RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 16 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:43357 HCPLUS [Full-text](#)  
 DOCUMENT NUMBER: 148:114881  
 TITLE: Pesticidal composition comprising a pyridylethylbenzamide derivative and an insecticide  
 INVENTOR(S): Hungenberg, Heike; Labourdette, Gilbert; Schirring, Albert; Schuetz, Burkhard; Suty-Heinze, Anne; Thielert, Wolfgang; Vaupel, Martin  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 52pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

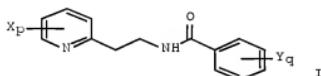
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008003738	A1	20080110	WO 2007-EPS6796	20070705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,				

GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,  
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,  
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: EP 2006-356084 A 20060706

OTHER SOURCE(S): MARPAT 148:114881

GI



**AB** A pesticidal composition comprises at least (a) a pyridylethylbenzamide derivative (**I**; p = 1-4 integer; q = 1-5 integer; each X = independently halo, (halo)alkyl; each Y = independently halo, alkyl, alkenyl, alkoxy, NH<sub>2</sub>, phenoxy, CN, etc.) and (b) an insecticide compound in an (a)/(b) weight ratio from 1/1000 to 1000/1. The composition may comprise an addnl. fungicidal compound. A method for preventively or curatively combating the pests and diseases of crops uses this composition. Thus, a mixture containing N-(2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl)-2-trifluoromethylbenzamide and fipronil at 200 + 100 ppm showed a synergistic effect against cotton aphid (*Aphis gossypii*) on heavily infested cotton (*Gossypium herbaceum*) leaves, with 85% insect mortality after 1 day.

**CC** 5-4 (Agrochemical Bioregulators)

**IT** Insecticides

(synergistic pesticidal compns. comprising pyridylethylbenzamides and insecticides)

**IT** 63-25-2D, Carbaryl, mixts. with pyridylethylbenzamides 116-06-3D, Aldicarb, mixts. with pyridylethylbenzamides 1563-66-2D, Carbofuran, mixts. with pyridylethylbenzamides 2032-65-7D, Methiocarb, mixts. with pyridylethylbenzamides 2921-88-2D, Chlорpirifos, mixts. with pyridylethylbenzamides 10265-92-6D, Methamidophos, mixts. with pyridylethylbenzamides 16752-77-5D, Methomyl, mixts. with pyridylethylbenzamides 24017-47-8D, Triazophos, mixts. with pyridylethylbenzamides 30560-19-1D, Acephate, mixts. with pyridylethylbenzamides 35367-38-5D, Diflubenzuron, mixts. with pyridylethylbenzamides 41198-08-7D, Profenofos, mixts. with pyridylethylbenzamides 51570-36-6D, Milbemycin, mixts. with pyridylethylbenzamides 52315-07-8D, Cypermethrin, mixts. with pyridylethylbenzamides 52918-63-5D, Deltamethrin, mixts. with pyridylethylbenzamides 59669-26-0D, Thiodicarb, mixts. with pyridylethylbenzamides 64628-44-0D, Triflumuron, mixts. with pyridylethylbenzamides 66215-27-8D, Cyromazine, mixts. with pyridylethylbenzamides 67375-30-8D, Alpha-cypermethrin, mixts. with pyridylethylbenzamides 68085-85-8D, Cyhalothrin, L-isomer, mixts. with pyridylethylbenzamides 68359-37-5D, Beta-cyfluthrin, mixts. with pyridylethylbenzamides 71422-67-8D, Chlorfluazuron, mixts. with pyridylethylbenzamides 71751-41-2D, Abamectin, mixts. with

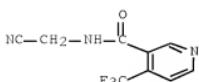
pyridylethylbenzamides 76703-62-3D, Gamma-cyhalothrin, mixts. with  
 pyridylethylbenzamides 79538-32-2D, Tefluthrin, mixts. with  
 pyridylethylbenzamides 82657-04-3D, Bifenthrin, mixts. with  
 pyridylethylbenzamides 83121-18-0D, Teflubenzuron, mixts. with  
 pyridylethylbenzamides 86479-06-3D, Hexaflumuron, mixts. with  
 pyridylethylbenzamides 96182-53-5D, Tebupirimphos, mixts. with  
 pyridylethylbenzamides 101007-06-1D, Acrinathrin, mixts. with  
 pyridylethylbenzamides 101463-69-8D, Flufenoxuron, mixts. with  
 pyridylethylbenzamides 103055-07-8D, Lufenuron, mixts. with  
 pyridylethylbenzamides 111988-49-9D, Thiacloprid, mixts. with  
 pyridylethylbenzamides 112410-23-8D, Tebufenozide, mixts. with  
 pyridylethylbenzamides 116714-46-6D, Novaluron, mixts. with  
 pyridylethylbenzamides 119168-77-3D, Tebufenpyrad, mixts. with  
 pyridylethylbenzamides 120068-37-3D, Fipronil, mixts. with  
 pyridylethylbenzamides 122453-73-0D, Chlорfenapyr, mixts. with  
 pyridylethylbenzamides 123312-89-0D, Pymetrozine, mixts. with  
 pyridylethylbenzamides 134098-61-6D, Fenpyroximate, mixts. with  
 pyridylethylbenzamides 135410-20-7D, Acetamiprid, mixts. with  
 pyridylethylbenzamides 138261-41-3D, Imidacloprid, mixts. with  
 pyridylethylbenzamides 148477-71-8D, Spirodiclofen, mixts. with  
 pyridylethylbenzamides 150824-47-8D, Nitencyram, mixts. with  
 pyridylethylbenzamides 153719-23-4D, Thiamethoxam, mixts. with  
 pyridylethylbenzamides 155569-91-8D, Emanecin benzoate, mixts. with  
 pyridylethylbenzamides 158062-67-0D, Flonicamid, mixts. with  
 pyridylethylbenzamides 161050-58-4D, Methoxyfenozide, mixts. with  
 pyridylethylbenzamides 165252-70-0D, Dinotefuran, mixts. with  
 pyridylethylbenzamides 168316-95-8D, Spinosad, mixts. with  
 pyridylethylbenzamides 173584-44-6D, Indoxacarb, mixts. with  
 pyridylethylbenzamides 181587-01-9D, Ethiprole, mixts. with  
 pyridylethylbenzamides 203313-25-1D, Spirotetramat, mixts. with  
 pyridylethylbenzamides 210880-92-5D, Clothianidin, mixts. with  
 pyridylethylbenzamides 272451-65-7D, Flubendiamide, mixts. with  
 pyridylethylbenzamides 283594-90-1D, Spiromesifen, mixts. with  
 pyridylethylbenzamides 500008-45-7D, Rynaxypyr, mixts. with  
 pyridylethylbenzamides 658066-33-4D, mixts. containing 659743-90-5D,  
 mixts. containing 830348-02-2D, N-[2-(3,5-Dichloro-2-pyridinyl)ethyl]-2-  
 trifluoromethylbenzamide, mixts. containing 863549-51-3D, Lepimectin, mixts.  
 with pyridylethylbenzamides  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic pesticidal compns. comprising pyridylethylbenzamides and  
 insecticides)

IT 158062-67-0D Flonicamid, mixts. with pyridylethylbenzamides  
203313-25-2D Spirotetramat, mixts. with pyridylethylbenzamides  
500088-45-7D Rynaxynvr. mixts. with pyridylethylbenzamides

synergistic pesticidal compns. comprising pyridylethylbenzamides and insecticides)

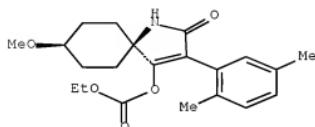
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

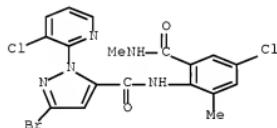


RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-(CA INDEX NAME)



L30 ANSWER 17 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1259492 HCPLUS [Full-text](#)  
 DOCUMENT NUMBER: 149:3075  
 TITLE: Soil and foliar insecticide applications for management of the silverleaf whitefly on fresh market tomatoes, spring 2006  
 AUTHOR(S): Schuster, David J.  
 CORPORATE SOURCE: Gulf Coast Res. and Educ. Ctr., Wimauma, FL, 33598, USA  
 SOURCE: Arthropod Management Tests (2007), 32, E61  
 CODEN: AMNTS8  
 URL: [http://www.entsoc.org/Protected/AMT/members\\_only/AMT32/E/E61.pdf](http://www.entsoc.org/Protected/AMT/members_only/AMT32/E/E61.pdf)  
 PUBLISHER: Entomological Society of America  
 DOCUMENT TYPE: Journal; (online computer file)  
 LANGUAGE: English  
 AB The effectiveness of insecticide treatments for the control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops was compared in Florida in Spring 2006. The insecticides included Admire Pro, N-215, Rimon 0.83EC, Induce, Oberon 2SC, Knack 0.86EC, Polo 500SC, Belay 18WSG, Coragen 20SC, Movento 150OD, Platinum 2SC, and TD 2484-02 14WP.  
 CC 5-4 (Agrochemical Bioregulators)

IT Bemisia argentifolia  
Insecticides  
Lycopersicon esculentum  
Tomato

(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

IT 80060-09-9, Polo 95737-68-1, Knack 116714-46-6, Rimon 138261-41-3, Admire pro 152987-15-0, Induce 153719-23-4, Platinum insecticide 203313-25-1, Movento 210880-92-5, Belay 283594-90-1, Oberon 500008-45-7 937276-57-8, N 215

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

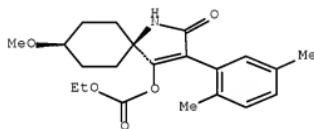
IT 203313-25-1, Movento 500008-45-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(soil and foliar insecticide applications for control of silverleaf whitefly (*Bemisia argentifolii*) pest on fresh market tomato crops in Florida in Spring 2006)

RN 203313-25-1 HCPLUS

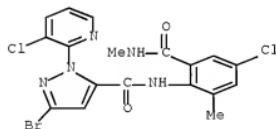
CN Carbonic acid, cis-3-(2-(5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 18 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

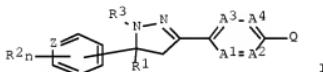
ACCESSION NUMBER: 2007:1236469 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 147:481488

TITLE: Preparation of pyrazoline derivative acaricides and insecticides

INVENTOR(S): McCann, Stephen Frederick; Smith, Brenton Todd  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 11lpp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007123855	A2	20071101	WO 2007-US9184	20070413
WO 2007123855	A3	20080110		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, IJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
PRIORITY APPLN. INFO.:			US 2006-793576P	P 20060420
OTHER SOURCE(S): MARPAT 147:481488				
GI				



AB The pyrazoline derivs. I [Z = N or CR2; R1 = cyano, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, alkylcycloalkyl or cycloalkylalkyl; R2 = H, halo, (halo)alkyl, (halo)alkoxy, etc.; R3 = H, cyano, CHO, alkyl, alkenyl, etc.; Q = (un)substituted 5- or 6-membered saturated or unsatd. heterocycl, etc.; A1 = CR4 or N; A2 = CR5 or N; A3 = CR6 or N; A4 = CR7 or N; R4-7 = H, halo, (halo)alkyl, (halo)cycloalkyl, etc.; n = 1-4] as well as I isomers, N-oxides and salts are prepared as acaricides and insecticides.

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 28

IT Insecticides

(baits; pyrazoline compds. useful in controlling invertebrate pests)

IT Insecticides

(neonicotinoid; pyrazoline compds. useful in controlling invertebrate pests)

IT Acaricides

Insecticides

Termiticides

(pyrazoline derivs.)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1, Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2,

Dicofol 116-06-3, Aldicarb 121-29-9, Pyrethrins 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorbenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 1631-58-9D, Nereistoxin, analogs 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 2224-92-6, Fenaniphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropothrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucycythinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3, Gamma-cyhalothrin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Difenthuiuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetaniprid 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8, Bifenazate 150824-47-8, Nitencypram 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufennerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2 203313-25-1, Spirotetramat 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6, Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7, Flubendiamide 283594-90-1, Spiromesifen 315208-17-4, Pyrafluprole 337458-27-2, Pyriproxyfen 394730-71-3, Pyriproxyfen 400882-07-7, Cyflumetofen 500008-45-7, Chlorantraniliprole 935545-74-7, Spinetoram

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pyrazoline compds. useful in controlling invertebrate pests)

IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat

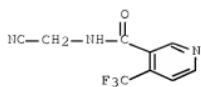
500008-45-7, Chlorantraniliprole

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pyrazoline compds. useful in controlling invertebrate pests)

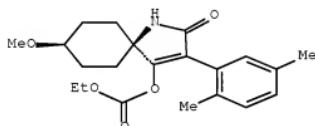
RN 158062-67-0 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

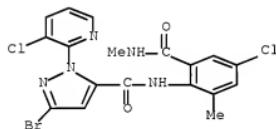


RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.

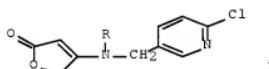


RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-(CA INDEX NAME)



L30 ANSWER 19 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1117821 HCPLUS Full-text  
 DOCUMENT NUMBER: 147:399916  
 TITLE: Synergistic insecticidal and acaricidal compositions  
 INVENTOR(S): Hungenberg, Heike; Jeschke, Peter; Fischer, Ruediger;  
 Velten, Robert; Schenke, Thomas; Andersch, Wolfram;  
 Thielert, Wolfgang  
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany  
 SOURCE: Ger. Offen., 19pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102006014482	A1	20071004	DE 2006-102006014482	20060329
WO 2007112847	A2	20071011	WO 2007-EP2394	20070319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.: GI			DE 2006-102006014482A	20060329



AB Compns. comprising I (R = Me or cyclopropyl) and at least one addnl. known insecticide, such as benzodicarboxylic acids, macrocycles, diacylhydrazines, carboxylates or others, are synergistic insecticides and acaricides.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(synergistic insecticidal and acaricidal compns.)

IT 950521-89-8 950521-90-1 950522-12-0 950522-13-1 950998-32-0  
950998-33-1 950998-34-2 950998-35-3 950998-36-4 950998-37-5  
950998-38-6 950998-39-7 950998-40-0 950998-41-1  
950998-42-2 950998-43-3 950998-44-4 950998-45-5  
950998-46-6 950998-47-7 950998-48-8 950998-49-9 950998-50-2  
950998-51-3 950998-52-4 950998-53-5

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticidal and acaricidal composition)

IT 950998-40-0 950998-42-2 950998-51-3  
950998-53-5

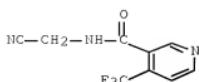
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticidal and acaricidal composition)

RN 950998-40-0 HCPLUS  
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with 4-[(6-chloro-3-pyridinyl)methyl]methylamino]-2(5H)-furanone (CA INDEX NAME)

CM 1

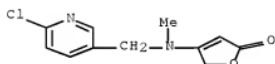
CRN 158062-67-0

CMF C9 H6 F3 N3 O



CM 2

CRN 141453-42-1  
CMF C11 H11 C1 N2 Q2

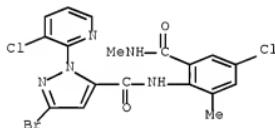


RN 950998-42-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 4-[(6-chloro-3-pyridinyl)methyl]methylamino)-2(5H)-furanone (CA INDEX NAME)

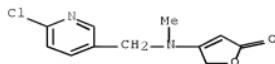
CM 1

CRN 500008-45-7  
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 141453-42-1  
CMF C11 H11 C1 N2 O2



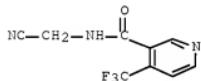
RN 950998-51-3 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
4-[(6-chloro-3-pyridinyl)methyl]cyclopropylamino]-2(5H)-furanone (CA  
INDEX NAME)

CM 1

CRN 158062-67-0

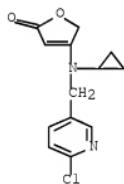
CMF C9 H6 F3 N3 O



CM 2

CRN 141453-45-4

CMF C13 H13 Cl N2 O2



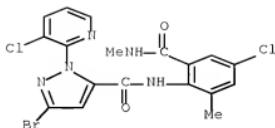
RN 950998-53-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
4-[(6-chloro-3-pyridinyl)methyl]cyclopropylamino]-2(5H)-furanone (CA  
INDEX NAME)

CM 1

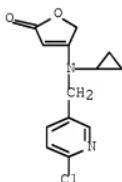
CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



CM 2

CRN 141453-45-4  
 CMF C13 H13 Cl N2 O2



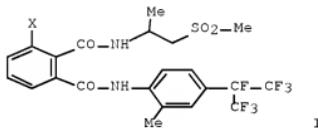
L30 ANSWER 20 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1030357 HCAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 147:337734  
 TITLE: Insecticidal mixtures containing phthalamide derivatives  
 INVENTOR(S): Fischer, Ruediger; Funke, Christian; Hungenberg, Heike; Thielert, Wolfgang; Kraus, Anton; Kodama, Hiroshi; Tamura, Shingo; Hakuno, Fumiaki  
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
 SOURCE: PCT Int. Appl., 43pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007101540	A1	20070913	WO 2007-EP1458	20070221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,				

RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,  
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

DE 102006015197 A1 20070913 DE 2006-102006015197 20060401  
 PRIORITY APPLN. INFO.: DE 2006-102006010200A 20060306  
 DE 2006-102006015197A 20060401

GI



AB Novel mixts. with excellent insecticidal and acaricidal properties contain  $\geq 1$  (R)- or (S)-isomer of a phthalimide (I; where X = Cl, Br, or I) and  $\geq 1$  other active ingredient. Thus, (S)-3-chloro-N1-(2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl)-N2-(1-methyl-2-methylsulfonylethyl)phthalimide + emamectin-benzoate at 0.8 + 0.032 ppm synergistically controlled Phaedon cochleariae larvae on cabbage leaves.

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(mixts. containing phthalimide derivs. as)

IT 71751-41-2D, Abamectin, mixts. with phthalimide derivs. 112410-23-8D, Tebufenoziide, mixts. with phthalimide derivs. 120068-37-3D, Fipronil, mixts. with phthalimide derivs. 122453-73-0D, Chlorfenapyr, mixts. with phthalimide derivs. 143807-66-3D, Chromafenozide, mixts. with phthalimide derivs. 155569-91-8D, Emamectin-benzoate, mixts. with phthalimide derivs. 158062-67-0D, Flonicamid, mixts. with phthalimide derivs. 161050-58-4D, Methoxyfenozide, mixts. with phthalimide derivs. 168316-95-8D, Spinosad, mixts. with phthalimide derivs. 173584-44-6D, Indoxacarb, mixts. with phthalimide derivs. 181587-01-9D, Ethiprole, mixts. with phthalimide derivs. 272451-65-7D, Flubendiamide, mixts. with phthalimide derivs. 500008-45-7D, mixts. with phthalimide derivs. 877072-50-9D, mixts. containing 877073-07-9D, mixts. containing 877073-10-4D, mixts. containing 938066-37-

6D, mixts. containing 938066-38-7D, mixts. containing 938066-39-8D, mixts. containing

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as synergistic insecticides and acaricides)

IT 158062-67-0D, Flonicamid, mixts. with phthalimide derivs.

500008-45-7D, mixts. with phthalimide derivs.

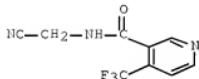
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)

(as synergistic insecticides and acaricides)

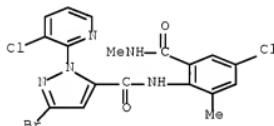
RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 21 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:874471 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 147:257765

TITLE: Fluoroalkenyl derivatives as insecticides and nematicides and their preparation and use in combination with other biological active agents

INVENTOR(S): Hu, Yulin; Reed, Earl William; Song, Ying

PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA

SOURCE: PCT Int. Appl., 96pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007089455	A1	20070809	WO 2007-US1457	20070118
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TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

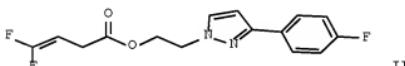
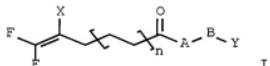
US 2006-762643P

P 20060127

OTHER SOURCE(S):

MARPAT 147:257765

GI



**AB** Disclosed are compds. of formula I, including all geometric and stereoisomers, N-oxides, and salts thereof. Also disclosed are compns. containing the compds. of formula I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention, said composition optionally further comprising a biol. effective amount of at least one addnl. biol. active compound or agent. Compds. of formula I wherein X is H, F, and Cl-4 (halo)alkyl; A is O, S and NH and derivs.; B is C1-4 alkylene; Y is (un)substituted 5- to 6-membered heteroarom. ring and (un)substituted 8- to 10-membered fused aromatic heterobicyclic ring, and (OCH2CH2)1-5OH and derivs.; n is 0, 1 and 2; and their N-oxides and salts thereof, are claimed. Example compound II was prepared by alkylation of 2-(4-fluorophenyl)-1H-pyrazole with Et bromoacetate; the resulting Et 3-(4-fluorophenyl)-1H-pyrazole-1-acetate underwent reduction to give 3-(4-fluorophenyl)-1H-pyrazole-1-ethanol, which underwent esterification with 4,4-difluoro-2-butenoic acid to give compound II. All the invention compds. were evaluated for their insecticidal and nematicidal activity.

**CC** 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

**IT** Insecticides

(genetically modified viral; preparation of fluoroakenyl derivs. as insecticides and nematicides useful alone or in combination with other biol. active agents)

**IT** Insecticides

(natural viral; preparation of fluoroakenyl derivs. as insecticides and nematicides useful alone or in combination with other biol. active agents)

**IT** Acari

Acaricides

Adhesives

Aphis gossypii

Araneae

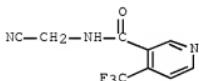
Attractants

Bacillus thuringiensis aizawai  
 Bacillus thuringiensis kurstaki  
 Baculoviridae  
 Bemisia tabaci  
 Blattaria  
 Coating materials  
 Culicidae  
 Empoasca fabae  
 Films  
 Food  
 Formicidae  
 Frankliniella occidentalis  
 Gnat  
 Humectants  
     Insecticides  
 Invertebrata  
 Isoptera  
 Meloidogyne incognita  
 Myzus persicae  
 Nematocides  
 Nucleopolyhedrovirus  
 Peregrinus maidis  
 Plutella xylostella  
 Propellants (sprays and foams)  
 Simuliidae  
 Soils  
 Stomoxys calcitrans  
 Surfactants  
 Tabanidae  
 Trapping apparatus  
 Vespa  
 Vespula  
 Wasp

(preparation of fluoroakenyl derivs. as insecticides and nematicides useful alone or in combination with other biol. active agents)

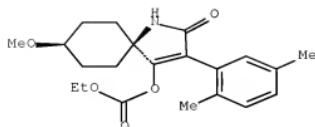
IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1,  
 Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0,  
 Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2,  
 Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0,  
 Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6,  
 Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8,  
 Methidathion 1563-66-2, Carbofuran 1631-58-9D, Nereistoxin, analogs  
 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite  
 2439-01-2, Chinomethionat 2921-88-2, Chloryrifos 5598-13-0,  
 Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos  
 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin  
 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3,  
 Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 22224-92-6,  
 Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb  
 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate  
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 39515-41-8, Fenpropothrin 40596-69-8, Methoprene 41198-08-7,  
 Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium  
 52315-07-8, Zeta-cypermethrin 52645-53-1, Permethrin 52918-63-5,  
 Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb  
 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan 64628-44-0,  
 Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate  
 66841-25-6, Tralomethrin 67375-30-8, Alpha-cypermethrin 67485-29-4,  
 Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Beta-cyfluthrin  
 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8,

Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxy carb  
 73989-17-0, Avermectin 76703-62-3, Gamma-cyhalothrin 78587-05-0,  
 Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron  
 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7,  
 Amido flumet 86479-06-3, Hexaflumuron 95737-68-1, Pyriproxyfen  
 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9,  
 Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid  
 112143-82-5, Triazamate 11226-61-6, Halofenozide 112410-23-8,  
 Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad  
 119544-94-4, Protrifenbute 119791-41-2, Emamectin 120068-37-3,  
 Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron  
 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 129558-76-5,  
 Tolfenpyrad 134098-61-6, Fenproximate 135410-20-7, Acetamiprid  
 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9  
 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8,  
 Bifenazate 150824-47-8, Nitencyram 153233-91-1, Etoxazole  
 153719-23-4, Thiamethoxam 155569-91-8, Emamectin benzoate  
 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide  
 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenirim  
 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole  
 203313-25-1, Spirotetramat 209861-58-5, Acetoprole  
 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6,  
 Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7, Flubendiamide  
 283594-90-1, Spiromesifen 315208-17-4, Pyrafluprole 337458-27-2,  
 Pyrifluquinazon 394730-71-3, Pyrirole 400882-07-7, Cyflumetofen  
 500008-45-7, Chlorantraniliprole 935545-74-7, Spinetoram  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
     (preparation of fluoroalkenyl derivs. as insecticides and nematicides useful  
     alone or in combination with other biol. active agents)  
 IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat  
 509008-45-7, Chlorantraniliprole  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
     (preparation of fluoroalkenyl derivs. as insecticides and nematicides useful  
     alone or in combination with other biol. active agents)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)

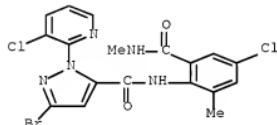


RN 203313-25-1 HCAPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
     azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



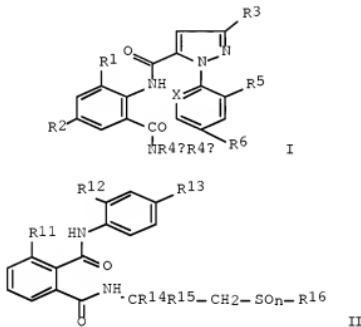
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 22 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:790180 HCPLUS [Full-text](#)  
 DOCUMENT NUMBER: 147:159933  
 TITLE: Suspension concentrates of carboxamide insecticides and acaricides  
 INVENTOR(S): Gutsche, Oliver Walter; Annan, Isaac Billy; Portillo, Hector Eduardo  
 PATENT ASSIGNEE(S): E. I. Du Pont De Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 42pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007081553	A2	20070719	WO 2006-US49315	20061227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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KG, KZ, MD, RU, TJ, TM				
AU 2006335092	A1	20070719	AU 2006-335092	20061227
PRIORITY APPLN. INFO.:			US 2006-756377P	P 20060105
			US 2006-855606P	P 20061031
			US 2006-858296P	P 20061110
			WO 2006-US49315	W 20061227

OTHER SOURCE(S): MARPAT 147:159933  
GI



**AB** Disclosed are suspension concs. comprising by weight based on the total weight of the composition, about 0.1 to about 40% of at least one carboxamide insecticide and acaricide; 0 to about 20% of at least one other biol. active agent; about 30 to about 95% of at least one water-immiscible liquid carrier; about 2 to about 50% of at least one emulsifier; about 0.01 to about 10% of a silica thickener; about 0.1 to about 10% of at least one protic solvent selected from water, C1-C12 alkanol and C2-C3 glycol; and about 0.001 to about 5% of at least one water-soluble carboxylic acid. The carboxamides are anthranilamides I (X = N, CF, CCl, CBr or CI; R1 = Me, Cl, Br or I; R2 = H, F, Cl, Br or CN; R3 = F, Cl, Br, haloalkoxy or haloalkyl; R4a = H, alkyl, cyclopropylmethyl or 1-cyclopropylethyl; R4b = H or Me; R5, R6 = H, F, Cl or Br) or a phthalic diamide II (R11 = Me, Cl, Br or I; R12 = Me or Cl; R13 = fluoroalkyl; R14, R15 = H or Me; R16 = Me or Et; n = 1 or 2).

**CC** 5-4 (Agrochemical Bioregulators)

**IT** Acaricides

Insecticides

Pesticide formulations

(suspension concs. of carboxamide insecticides and acaricides)

IT 60-57-1, Dieldrin 115-29-7, Endosulfan 2921-88-2, Chlorpyrifos 11141-17-6, Azadirachtin 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 23135-22-0, Oxamyl 33089-61-1, Amitraz 40596-69-8, Methoprene 51630-58-1, Fenvalerate 52207-48-4, Thiosulfapsodium 52315-07-8, Cypermethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiadicarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4,

Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Betacyfluthrin 69327-76-0, Buprofezin 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 82657-04-3, Bifenthrin 86479-06-3, Hexaflumuron 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112143-82-5, Triazamate 112410-23-8, Tebufenoziide 116714-46-6, Novaluron 119751-41-2, Emamectin 120068-37-3, Fipronil 122453-73-0, Chlorgafenapyr 123312-89-0, Pymetrozine 135410-20-7, Acetaniprid 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 148477-71-8, Spirodiclofen 150824-47-8, Nitencypram 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 210880-92-5, Clothianidin 283594-90-1, Spiromesifen 935545-74-7, Spinetoram RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticidal and acaricidal suspension concentrate containing a carboxamide and)

IT 500008-45-7

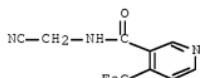
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (suspension concs. of carboxamide insecticides and acaricides)

IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticidal and acaricidal suspension concentrate containing a carboxamide and)

RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

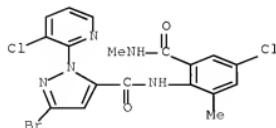


IT 500008-45-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (suspension concs. of carboxamide insecticides and acaricides)

RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 23 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:755410 HCAPLUS Full-text  
 DOCUMENT NUMBER: 147:166307  
 TITLE: Preparation of isoxazolines for controlling  
 invertebrate pests  
 INVENTOR(S): Lahm, George Philip; Shoop, Wesley Lawrence; Xu, Ming  
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 122pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007079162	A1	20070712	WO 2006-US49459	20061228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2006332749	A1	20070712	AU 2006-332749	20061228
IN 2008DN04364	A	20080815	IN 2008-DN4364	20080522
PRIORITY APPLN. INFO.:			US 2005-755247P	P 20051230
			US 2006-83998P	P 20060823
			US 2006-857307P	P 20061107
			WO 2006-US49459	W 20061228

OTHER SOURCE(S): MARPAT 147:166307  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Isoxazoline derivs. I [A, B, D, E, F, G = CR3, N; J, K, L = CR2, N; T = (R2)n;  
 W = O, S; R1 = C1-C6 alkyl, C2-C6 alkenyl, C2-C6 alkynyl, C3-C6 cycloalkyl,  
 C4-C7 alkylcycloalkyl, C4-C7 cycloalkylalkyl; R2 = H, halo, C1-C6 alkyl, C1-C6  
 haloalkyl, C1-C6 (halo)alkoxy, C1-C6 alkylsulfonyl, etc.; R3 = H, halo, C1-C6  
 (halo)alkyl, C1-C6 haloalkylsulfinyl, C2-C6 dialkylamino, etc.; R4 = H, C1-C6  
 alkyl, C2-C6 alkenyl, C2-C7 alkylcarbonyl, etc.; R5 = H, OR10, NR11R12, C2-C6  
 alkenyl, etc.; R4R5 = 2-6 membered ring with attached N; R10 = H, C1-C6  
 (halo)alkyl, C2-C6 alkynyl, C3-C6 cycloalkyl, C4-C7 alkylcycloalkyl, C4-C7  
 cycloalkylalkyl; R11R12 = 2-6 membered ring with attached N] were prepared  
 For example, 4-bromo-1-naphthalenecarboxaldehyde was converted to the oxime  
 which reacted with 1,3-dichloro-5-[1-(trifluoromethyl)ethenyl]benzene to give  
 isoxazole II. II was reacted with 2-(aminomethyl)pyridine to give isoxazolyl  
 naphthalenecarboxamide III as one of the desired title compds. Also disclosed  
 are compns. containing I and methods for controlling an invertebrate pest  
 comprising contacting the invertebrate pest or its environment with a biol.  
 effective amount of a compound or a composition of the invention.

CC 28-6 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT Insecticides  
     (baits; preparation of isoxazoline derivs. for controlling invertebrate pests)

IT *Emoasca fabae*  
     Insecticides

Oral drug delivery systems

Parasiticides

Pesticides

Pharmaceutical liquids

*Plutella xylostella*

*Spodoptera frugiperda*

Trapping apparatus  
     (preparation of isoxazoline derivs. for controlling invertebrate pests)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 60-57-1, Dieldrin 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 1141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 15263-53-3, Cartap 15662-33-6, Ryanodine 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Difenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 67485-29-4, Hydramethylnon 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 76703-62-3 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthizuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6,  $\lambda$ -Cyhalothrin 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlорfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetaniprid 138261-41-3, Imidacloprid 139968-49-3, Metaflumizone 140163-89-9, Imicyafos 143807-66-3, Chromafenozide 148477-71-8, Spirodiclofen 149877-41-8, Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole 153719-23-4, Thiamethoxan 158962-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Fluferinol 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 203313-25-1, Spirotetramat 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin

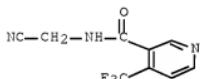
240494-70-6, Metofluthrin 271241-14-6, Dimefluthrin 272451-65-7,  
 Flubendiamide 283594-90-1, Spiromesifen 315208-17-4, Pyrafluprole  
 394730-71-3, Pyriproxyle 400882-07-7, Cyflumetofen 500008-15-7,  
 Chlorantraniliprole 935545-74-7, Spinetoram  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (biol. active additive; preparation of isoxazoline derivs. for controlling  
 invertebrate pests)

IT 158062-67-0, Flonicamid 203313-25-1, Spirotetramat  
 500008-45-7, Chlorantraniliprole

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (biol. active additive; preparation of isoxazoline derivs. for controlling  
 invertebrate pests)

RN 158062-67-0 HCPLUS

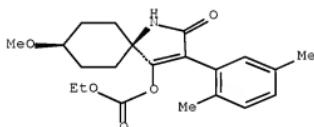
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX  
 NAME)



RN 203313-25-1 HCPLUS

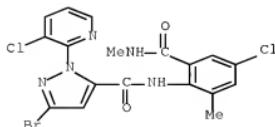
CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

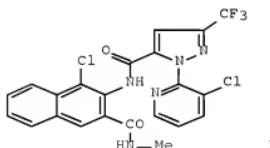


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 24 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:88339 HCPLUS Full-text  
 DOCUMENT NUMBER: 146:178834  
 TITLE: Synergistic pesticidal mixtures with nitrogen-containing component  
 INVENTOR(S): Hughes, David John; Peace, James Edward; Riley, Suzanna; Russell, Sally; Swanborough, Joseph John; Jeanguenat, Andre; Renold, Peter; Hall, Roger Graham; Loiseleur, Olivier; Trah, Stephan; Wenger, Jean  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.; Syngenta Limited  
 SOURCE: PCT Int. Appl., 261pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007009661	A2	20070125	WO 2006-EP6866	20060713
WO 2007009661	A3	20070329		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JE, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: GB 2005-14652 A 20050715  
 OTHER SOURCE(S): MARPAT 146:178834  
 GI



AB Pesticidal compns. comprise mixts. consisting of N-containing compds. (e.g., I) and ≥1 compound selected from acaricides, anthelmintics, avicides,

bactericides, biol. agents, chemosterilants, insect repellents, insecticides, etc. The compns. are applied to pests or their environment for controlling insects or representatives of the order Acarina. Also claimed is plant propagation material treated with such a composition and treatment of the site where the propagation material is planted. Thus, young soybean plants were sprayed with an aqueous emulsion comprising 400 ppm of active ingredient mixture of the invention, populated with 10 *Spodoptera littoralis* caterpillars (in the third stage), then placed in a container. Evaluation after 3 days showed that the mixture exhibited good activity.

IC ICM C12N

CC 5-4 (Agrochemical Bioregulators)

IT Acaricides

Insecticides

(mixts. containing pesticides such as pyrazolecarboxamides as)

IT Insecticides

(sterilants; synergistic pesticidal mixts. with nitrogen-containing component and)

IT 163269-30-5D, Bethoxazin, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168316-95-8D, Spinosad, mixts. containing 170015-32-4D, Flufenirim, mixts. containing 175013-18-0D, Pyraclostrobin, mixts.

containing

178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-

9D,

Ethiprole, mixts. containing 183675-82-3D, Penthopyrad, mixts. containing 185676-84-0D, MB 599, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 209861-58-5D, Acetoprole, mixts. containing 214706-53-3D, mixts. containing 220119-17-5D, Selamectin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 223419-20-3D, Profuthrin, mixts. containing 223580-51-6D, Tiadinil, mixts. containing 229977-93-9D, Fluacrypyrim, mixts. containing 239110-15-7D, Fluopicolide, mixts.

containing

240494-70-6D, Metofluthrin, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-

7D,

Flubendiamide, mixts. containing 283594-90-1D, Spiromesifen, mixts.

containing

361377-29-9D, Fluoxastrobin, mixts. containing 374704-75-3D, mixts.

containing

374726-62-2D, Mandipropamid, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 590008-45-7D, DKI 0001, mixts. containing 599194-50-0D, mixts. containing 599194-51-1D, mixts. containing 599194-92-0D, mixts. containing 599194-93-1D, mixts. containing 599197-38-3D, mixts. containing 599197-44-

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containing

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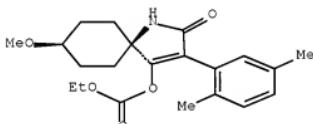
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containing  
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mixts. containing 864675-87-6D, mixts. containing 864675-88-7D, mixts.  
containing  
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containing  
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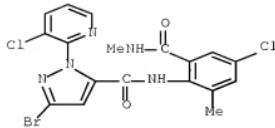
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (as synergistic pesticides)  
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 DKI 0001, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (as synergistic pesticides)  
 RN 203313-25-1 HCPLUS  
 CN Carbonic acid, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-  
 azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)

Relative stereochemistry.



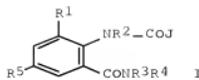
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 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 25 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2006:496102 HCAPLUS Full-text  
 DOCUMENT NUMBER: 144:462625  
 TITLE: Preparation of anthranilamide derivative insecticides and acaricides  
 INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin; Taggi, Andrew Edmund; Bereznak, James Francis  
 PATENT ASSIGNEE(S): E.I. Dupont De Nemours and Co., USA  
 SOURCE: PCT Int. Appl., 97 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006055922	A2	20060526	WO 2005-US42196	20051118
WO 2006055922	A3	20061221		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2005306363	A1	20060526	AU 2005-306363	20051118
CA 2585378	A1	20060526	CA 2005-2585378	20051118
EP 1812421	A2	20070801	EP 2005-851952	20051118
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CN 101061103	A	20071024	CN 2005-80039548	20051118
JP 2008520724	T	20080619	JP 2007-543368	20051118
IN 2007DN03224	A	20070831	IN 2007-DN3224	20070430
KR 2007086280	A	20070827	KR 2007-713584	20070615
PRIORITY APPLN. INFO.:			US 2004-629120P	P 20041118
			US 2005-689414P	P 20050610
			WO 2005-US42196	W 20051118

OTHER SOURCE(S): MARPAT 144:462625  
 GI



**AB** The anthranilamide derivs. I and their geometric and stereoisomers, N-oxides, and salts [J = (un)substituted Ph or N-containing heterocyclyl; R1 = alkyl alkenyl, alkynyl, etc.; R2 = alkylcarbonyl, alkoxy carbonyl or (di)alkylaminocarbonyl; R3 = (cyclo)alkyl, alkenyl, alkynyl, alkoxy, etc. ; R4 = (un)substituted alkylcycloalkyl, alkenylcycloalkyl, alkynylcycloalkyl, cycloalkylalkyl, cycloalkylalkenyl, cycloalkylalkynyl, cycloalkenylalkyl or alkylcycloalkenyl, oxiranylalkyl, thiranylalkyl, oxetanylalkyl, thietanylalkyl, 3-oxetanyl or 3-thietanyl; R5 = (cyclo)alkyl, haloalkyl, alkenyl alkynyl, etc.] are prepared as pesticides for controlling invertebrate pests, specifically insecticides and acaricides.

**IC** ICM A01N

**CC** 5-4 (Agrochemical Bioregulators)

**IT** Acaricides

Insecticides

(anthranilamide derivs.)

IT	736995-23-6P	882401-50-5P	886583-28-4P	886583-29-5P
	886583-30-8P	886583-31-9P	886583-32-0P	886583-33-1P
	886583-34-2P	886583-35-3P	886583-36-4P	886583-37-5P
	886583-38-6P	886583-39-7P	886583-40-0P	886583-41-1P
	886583-43-3P	886583-44-4P	886583-45-5P	886583-46-6P
	886583-48-8P	886583-49-9P	886583-50-2P	886583-51-3P
	886583-53-5P	886583-54-6P	886583-55-7P	886583-56-8P
	886583-57-9P	886583-58-0P	886583-59-1P	886583-69-3P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation as insecticide and acaricide)

IT	886583-65-9	886583-66-0	886583-67-1	886583-68-2
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RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticide and acaricide)

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	72-43-5D, Methoxychlor, mixts. with anthranilamide derivs.	86-50-0D, Azinphosmethyl, mixts. with anthranilamide derivs.
	108-62-3D, Metaldehyde, mixts. with anthranilamide derivs.	115-29-7D, Endosulfan, mixts. with anthranilamide derivs.
	115-32-2D, Dicofol, mixts. with anthranilamide derivs.	116-06-3D, Aldicarb, mixts. with anthranilamide derivs.
	121-75-5D, mixts. with anthranilamide derivs.	298-00-0D, Parathionmethyl, mixts. with anthranilamide derivs.
	298-02-2D, Phorate, mixts. with anthranilamide derivs.	510-15-6D, Chlorobenzilate, mixts. with anthranilamide derivs.
	510-15-6D, Phosmet, mixts. with anthranilamide derivs.	732-11-6D, Phosmet, mixts. with anthranilamide derivs.
	950-37-8D, Methidathion, mixts. with anthranilamide derivs.	1563-66-2D, Carbofuran, mixts. with anthranilamide derivs.
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	2921-88-2D, Chlorpyrifos, mixts. with anthranilamide derivs.	5598-13-0D, mixts. with anthranilamide derivs.
	5598-13-0D, mixts. with anthranilamide derivs.	6923-22-4D, Monocrotophos, mixts. with anthranilamide derivs.
	6923-22-4D, Monocrotophos, mixts. with anthranilamide derivs.	10265-92-6D, Methamidophos, mixts. with anthranilamide derivs.

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 with anthranilamide derivs. 15263-53-3D, Cartap, mixts. with  
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 anthranilamide derivs. 112410-23-8D, Tebufenozone, mixts. with  
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RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic insecticides and acaricides)

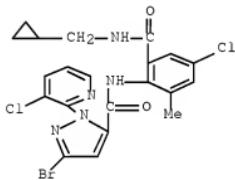
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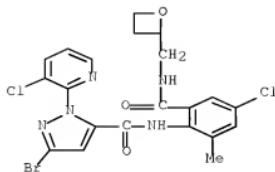
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-  
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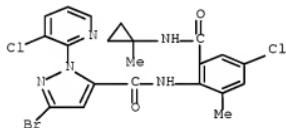
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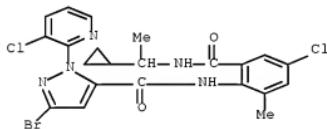
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CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylcyclopropyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 886583-54-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(1-cyclopropylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



IT 886583-65-9 886583-66-0

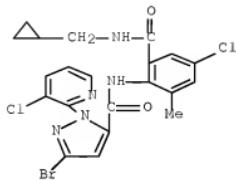
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticide and acaricide)

RN 886583-65-9 HCAPLUS

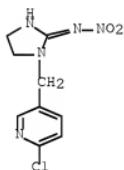
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(1-cyclopropylmethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (2E)-1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

CM 1

CRN 882401-50-5  
 CMF C21 H18 Br Cl2 N5 O2

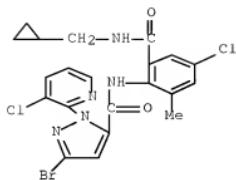


CM 2  
 CRN 138261-41-3  
 CMF C9 H10 Cl N5 O2



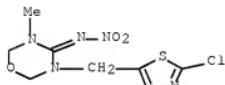
RN 886583-66-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-  
 [[(cyclopropylmethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-  
 pyridinyl)-, mixt. with 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-  
 methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine (9CI) (CA INDEX NAME)

CM 1  
 CRN 882401-50-5  
 CMF C21 H18 Br Cl2 N5 O2

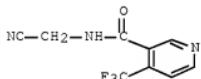


CM 2

CRN 153719-23-4  
CMF C8 H10 C1 N5 O3 S



IT 158062-67-00, Flonicamid, mixts. with anthranilamide derivs.  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticides and acaricides)  
RN 158062-67-0 HCAPLUS  
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



L30 ANSWER 26 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2006:193331 HCPLUS Full-text  
DOCUMENT NUMBER: 144:274265  
TITLE: Preparation of novel anthranilamides useful for  
controlling invertebrate pests  
INVENTOR(S): Lahm, George Philip  
PATENT ASSIGNEE(S): E.I. Dupont de Nemours and Company, USA  
SOURCE: PCT Int. Appl., 87 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006023783	A1	20060302	WO 2005-US29639	20050817
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005277228	A1	20060302	AU 2005-277228	20050817
EP 1789411	A1	20070530	EP 2005-807692	20050817
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101039929	A	20070919	CN 2005-80035459	20050817
JP 2008510721	T	20080410	JP 2007-528063	20050817
BR 2005015221	A	20080715	BR 2005-15221	20050817
IN 2007/DN01000	A	20070803	IN 2007-DN1000	20070206
PRIORITY APPLN. INFO.:				
		US 2004-602153P	P	20040817
		US 2005-643708P	P	20050113
		WO 2005-US29639	W	20050817
OTHER SOURCE(S):	CASREACT 144:274265; MARPAT 144:274265			
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The title compds. I [Q = II-IV; R1 = X-Z-O-R11; X = O, S or NR12; Z = haloalkylene or haloalkenylene; R2 = H, alkyl, haloalkyl, etc.; R3 = H, alkyl, alkenyl, etc.; R4 = H, alkyl, alkenyl, etc.; R5 = OH, alkoxy, alkylamino, etc.; or NR4R5 = ring containing 2-6 carbon atoms and optionally one addnl. atom of N, S or O; R6, R7 = H, alkyl, alkenyl, etc.; W = N, CR2; V = N, CR13; Y = N, CR14; R11 = alkyl, alkenyl, cycloalkyl, etc.; R12 = H, alkyl; R13, R14 = H, alkyl, cycloalkyl, etc.; L = a direct bond or a linking chain of one or more members selected from C, N, O, S, etc.; n = 1-4], were prepared and claimed. E.g., a multi-step synthesis of V, starting from 3-chloro-2-hydrazinopyridine and di-Et maleate, was given. Compound V resulted in at least 80% mortality when tested against fall armyworm (*Spodoptera frugiperda*). Also disclosed are compns. containing the compds. I and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biol. effective amount of a compound or a composition of the invention.

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT Insecticides

(neonicotinoid; preparation of novel anthranilamides useful for controlling invertebrate pests)

IT Acari

Araneae

Attractants

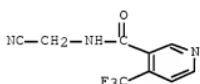
Bacillus thuringiensis

Bacillus thuringiensis aizawai  
 Bacillus thuringiensis kurstaki  
 Baculoviridae  
 Blattaria  
 Culicidae  
 Empoasca fabae  
 Formicidae  
 GABA antagonists  
 Gnat  
 Humectants  
 Insecticides  
 Invertebrata  
 Isoptera  
 Pesticides  
 Propellants (sprays and foams)  
 Simuliidae  
 Soils  
 Spodoptera frugiperda  
 Sprays  
 Stomoxys calcitrans  
 Surfactants  
 Tabanidae  
 Vespa  
 Vespula  
 Wasp  
 (preparation of novel anthranilamides useful for controlling invertebrate pests)

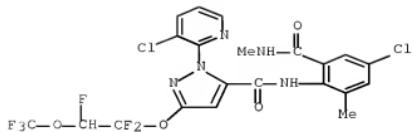
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 86-50-0, Azinphos-methyl 115-29-7, Endosulfan 115-32-2, Dicofol  
 116-06-3, Aldicarb 121-75-5 298-00-0, Parathion-methyl 298-02-2,  
 Phorate 333-41-5 510-15-6, Chlorobenzilate 732-11-6, Phosmet  
 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor  
 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat  
 2921-88-2, Chloryprifos 5598-13-0 6923-22-4, Monocrotophos  
 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9,  
 Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6,  
 Fenbutatinoxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos  
 22248-79-9 23103-98-2, Pirimicarb 23135-22-0 25311-71-1, Isofenphos  
 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron  
 35400-43-2, Sulprofos 37273-91-9, Metaldehyde 39515-41-8,  
 Fenpropothrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8,  
 Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin  
 59669-26-0, Thiodicarb 62850-32-2, Fenothiocarb 63837-33-2, Diofenolan  
 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4,  
 Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin  
 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 70124-77-5,  
 Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin  
 72490-01-8, Fenoxy carb 73989-17-0, Avermectin 76703-62-3,  
 Gamma-cyhalothrin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin  
 80060-09-9, Diafenthhiuron 82657-04-3, Bifenthrin 83121-18-0,  
 Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron  
 91465-08-6 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben  
 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8,  
 Lufenuron 111988-49-9, Thiacycloprid 112226-61-6, Halofenozone  
 112410-23-8, Tebufenozide 114282-89-2 116714-46-6, Novaluron  
 119168-77-3, Tebufenpyrad 119544-94-4, Protrifenbute 119791-41-2,  
 Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3,  
 Noviflumuron 122453-73-0, Chlорfenapyr 123312-89-0, Pymetrozine  
 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7,

Acetamiprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide 149877-41-8, Bifenazate 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 170015-32-4, Flufenim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6, Metofluthrin 283594-90-1, Spiromesifen  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (preparation of novel anthranilamides useful for controlling invertebrate pests)

IT 877876-75-0P 877876-76-1P 877876-77-2P 877876-78-3P  
 877876-79-4P 877876-80-7P 877876-81-8P  
 877876-82-9P 877876-83-0P 877876-84-1P 877876-85-2P 877876-86-3P  
 877876-87-4P 877876-88-5P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of novel anthranilamides useful for controlling invertebrate pests)  
 IT 158062-67-0, Flonicamid  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (preparation of novel anthranilamides useful for controlling invertebrate pests)  
 RN 158062-67-0 HCPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

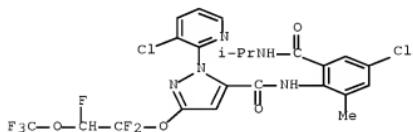


IT 877876-79-4P 877876-80-7P 877876-81-8P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of novel anthranilamides useful for controlling invertebrate pests)  
 RN 877876-79-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



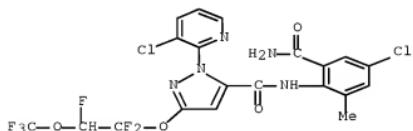
RN 877876-80-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



RN 877876-81-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy]- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 27 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:75888 HCPLUS [Full-text](#)

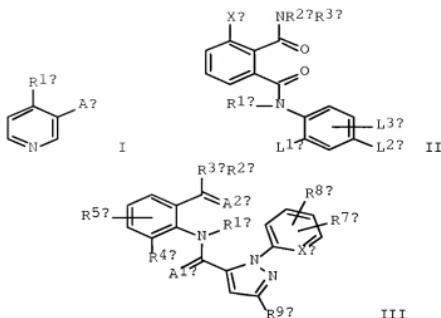
DOCUMENT NUMBER: 144:144759

TITLE: Selective and synergistic insecticide and acaricide compositions based on haloalkylnicotinic acid derivatives, anthranilic acid diamides or phthalic acid diamides, and safeners

INVENTOR(S): Fischer, Reiner; Fischer, Ruediger; Funke, Christian; Hense, Achim; Andersch, Wolfram; Hungenberg, Heike; Thielert, Wolfgang; Reckmann, Udo; Willms, Lothar;

PATENT ASSIGNEE(S): Arnold, Christian  
 SOURCE: Bayer CropScience AG, Germany  
 PCT Int. Appl., 133 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006008108	A2	20060126	WO 2005-EP7791	20050718
WO 2006008108	A3	20060831		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004035134	A1	20060216	DE 2004-102004035134	20040720
AU 2005263567	A1	20060126	AU 2005-263567	20050718
CA 2574205	A1	20060126	CA 2005-2574205	20050718
EP 1771072	A2	20070411	EP 2005-761088	20050718
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1988804	A	20070627	CN 2005-80024810	20050718
BR 2005012106	A	20080206	BR 2005-12106	20050718
JP 2008506740	T	20080306	JP 2007-521874	20050718
IN 2007DN00084	A	20070803	IN 2007-DN84	20070103
PRIORITY APPLN. INFO.:			DE 2004-102004035134A	20040720
			WO 2005-EP7791	W 20050718
OTHER SOURCE(S):	MARPAT	144:144759		
GI				



**AB** The title insecticide and acaricide combinations comprise: (a) (1) at least one haloalkylnicotinic acid derivative I [AA = haloalkyl; AB = heterocyclyl, C(:WA)N3AR2A, etc.; WA = O or S; R2A,R3A = H, OH, oximinoalkyl, hydrazonoalkyl, etc.; R3ANR2A = ring] or (2) at least one phthalic acid diamine II [XB = halo, cyano, (halo)alkyl, etc.; R1B, R2B, R3B = H, cyano, (halo)cycloalkyl, etc.; L1B, L3B = H, halo, cyano, (un)substituted alkyl, Ph, PhO, heterarylxyloxy, etc.; L2B = H, halo, cyano, (un)substituted alkyl, etc.] or (3) at least one anthranilic acid amide III [XC = N or CR10C; R10C = H, (halo)alkyl, halo, cyano or haloalkoxy; A1C, A2C = O or S; R1C = H, (un)substituted alkyl, etc.; R2C = H, alkyl, alkenyl, alkynyl, etc.; R3C = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R4C = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, etc.; R5C = H, halo, (un)substituted (halo)alkyl, etc.; R7C = H, halo, (halo)alkyl, (halo)alkoxy, alkylthio, alkylsulfonyl, etc.; R9C = halo, haloalkyl, haloalkoxy, etc.] and (b) at least one compound that improves crop plant tolerance, especially cloquintocet-mexyl, isoxadifen-Et, and mefenopyr-diethyl.

CC 5-4 (Agrochemical Bioregulators)

## IT Acaricides

### Insecticides

(synergistic, selective; compns. containing haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides, and safeners)

IT	874141-47-6	874141-48-7	874141-49-8	874141-50-1	874141-51-2
	874141-52-3	874141-53-4	874141-54-5	874141-55-6	874141-56-7
	874141-57-8	874141-58-9	874141-59-0	874141-60-3	874141-61-4
	874141-62-5	874141-63-6	874141-64-7	874141-65-8	874141-66-9
	874141-67-0	874141-68-1	874141-69-2	874141-70-5	874141-71-6
	874141-72-7	874141-73-8	874141-74-9		
	874141-75-6	874141-76-1	874141-77-2		
973111	79.3	874141-79.4	874141-80.3		

BLA-BCB (Bimulticultural model), BICL (Biological studies), USES (Health)

: AGR (Agricultural use); BIOL (Biological study); USES (uses)  
(selective and synergistic insecticide and nematicide composition)

(selective and synergistic insecticide and acaricide composition)  
IT 81-84-5D, 1,8-Naphthalic anhydride, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-74-6D, MCPA, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-75-7D, (2,4-D), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 94-82-6D, (2,4-DB), mixts. with haloalkylnicotinic acid

derivs., anthranilic acid diamides or phthalic acid diamides 122-88-3D, 4-Chlorophenoxyacetic acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 1918-00-9D, (Dicamba), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 3547-07-7D, 4-(4-Chlorophenoxy)butyric acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 3740-92-9D, Fenclorim, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 4337-16-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 4367-49-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 7064-04-2D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 21409-25-6D, Diphenylmethoxyacetic acid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 31541-57-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 37764-25-3D, Dichlormid, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 39089-45-7D, R 28725, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 41295-28-7D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 41858-19-9D, Diphenylmethoxyacetic acid methyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 42609-52-9D, (Daimuron, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 52836-31-4D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 54091-06-4D, 1-Bromo-4-chloromethylsulfonylbenzene, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 60980-03-2D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 61432-55-1D, (Dimepiperate), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 71526-07-3D, MON-4660), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 72850-64-7D, Flurazole, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 74782-23-3D, Oxabetrinil, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 78370-21-5D, Cyometrinil, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 79660-25-6D, PPG 1292, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 85072-82-8D, Dicyclonon, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 87214-73-1D, Lactidichlor-ethyl, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-88-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-90-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-91-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88349-98-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88350-01-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 88485-37-4D, Fluxofenim, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 97454-00-7D, DKA 24, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 98730-04-2D, (Benoxacor), mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 99485-76-4D, (Cumyluron), mixts. with haloalkylnicotinic

acid derivs., anthranilic acid diamides or phthalic acid diamides 99607-70-2D, Cloquintocet methyl, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 99621-03-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 99621-31-5D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 103112-35-2D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 116572-67-9D, 1-(2-Chlorophenyl)-5-phenyl-1H-pyrazole-3-carboxylic acid methyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 116572-81-7D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 116572-82-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 116573-08-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 116573-15-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 118286-11-6D, Diphenylmethoxyacetic acid ethyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 121776-33-8D, Furilazole, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 122618-70-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 126067-40-1D, 1-(2,4-Dichlorophenyl)-5-methyl-1H-pyrazole-3-carboxylic acid ethyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 126099-96-5D, 1-(2,4-Dichlorophenyl)-5-isopropyl-1H-pyrazole-3-carboxylic acid ethyl ester, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 126099-98-7D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 129513-09-3D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 129513-10-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 129531-12-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 133607-95-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 133993-74-5D, MG 838, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 135439-10-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 135590-91-9D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 143276-05-5D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 143341-18-8D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 145621-96-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 146893-26-7D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 154502-05-3D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 154879-67-1D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 154879-69-3D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 154879-86-4D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 158062-67-0D, mixts. with safeners 158062-71-6D, mixts. with safeners 158062-72-7D, mixts. with safeners 158062-73-8D, mixts. with safeners 158062-74-9D, mixts. with safeners 163520-33-0D, Isoxadifen ethyl, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 163520-46-5D, mixts. with haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic acid diamides 164149-36-4D, mixts.

with safeners 164149-37-5D, mixts. with safeners 164149-38-6D, mixts.  
 with safeners 164149-39-7D, mixts. with safeners 164149-40-0D, mixts.  
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 with safeners 180801-22-3D, mixts. with haloalkylnicotinic acid derivs.,  
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 phthalic acid diamides 200201-76-9D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
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 acid diamides or phthalic acid diamides 200201-84-9D, mixts. with  
 haloalkylnicotinic acid derivs., anthranilic acid diamides or phthalic  
 acid diamides 200202-08-0D, mixts. with haloalkylnicotinic acid derivs.,  
 anthranilic acid diamides or phthalic acid diamides 207502-65-6D, mixts.  
 with safeners 207502-66-7D, mixts. with safeners 209866-92-2D, mixts.  
 with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
 phthalic acid diamides 210484-89-2D, mixts. with safeners  
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 218276-59-6D, mixts. with safeners 218276-61-0D, mixts. with safeners  
 218276-63-2D, mixts. with safeners 218276-64-3D, mixts. with safeners  
 221666-82-6D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
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 anthranilic acid diamides or phthalic acid diamides 221667-37-4D, mixts.  
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 phthalic acid diamides 221668-34-4D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
 221668-48-0D, mixts. with haloalkylnicotinic acid derivs., anthranilic  
 acid diamides or phthalic acid diamides 221668-60-6D, mixts. with  
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 anthranilic acid diamides or phthalic acid diamides 221669-13-2D, mixts.  
 with haloalkylnicotinic acid derivs., anthranilic acid diamides or  
 phthalic acid diamides 228553-45-5D, mixts. with safeners  
 228553-46-6D, mixts. with safeners 228553-53-5D, mixts. with safeners  
 228553-54-6D, mixts. with safeners 228553-55-7D, mixts. with safeners  
 228553-56-8D, mixts. with safeners 250287-38-8D, mixts. with safeners  
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with safeners 506433-26-7D, mixts. with safeners 506433-27-8D, mixts.  
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 derivs., anthranilic acid diamides or phthalic acid diamides  
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 acid diamides or phthalic acid diamides 874141-86-3D, mixts. with  
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 phthalic acid diamides 874141-89-6D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
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 acid diamides or phthalic acid diamides 874141-91-0D, mixts. with  
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 phthalic acid diamides 874141-99-8D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
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 phthalic acid diamides 874142-04-8D, mixts. with haloalkylnicotinic acid  
 derivs., anthranilic acid diamides or phthalic acid diamides  
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 874142-08-2D, mixts. with safeners 874142-10-6D, mixts. with safeners  
 874142-11-7D, mixts. with safeners 874142-12-8D, mixts. with safeners

874142-13-9D, mixts. with safeners

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide compns.)

IT 874141-73-8 874141-74-9 874141-75-0  
874141-76-1 874141-77-2 874141-78-3  
874141-79-4 874141-80-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(selective and synergistic insecticide and acaricide composition)

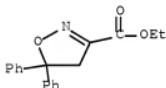
RN 874141-73-8 HCPLUS

CN 3-Isoazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester, mixt.  
with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA  
INDEX NAME)

CM 1

CRN 163520-33-0

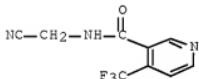
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CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



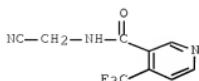
RN 874141-74-9 HCPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA INDEX NAME)

CM 1

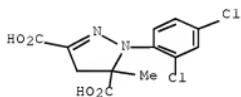
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CMF C9 H6 F3 N3 O



CM 2

CRN 135591-00-3  
 CMF C12 H10 C12 N2 O4

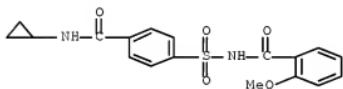


RN 874141-75-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
 N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide  
 (9CI) (CA INDEX NAME)

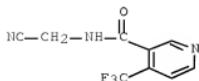
CM 1

CRN 221667-31-8  
 CMF C18 H18 N2 O5 S



CM 2

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O



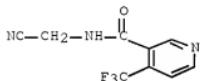
RN 874141-76-1 HCPLUS

CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt.  
with N-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide (9CI) (CA  
INDEX NAME)

CM 1

CRN 158062-67-0

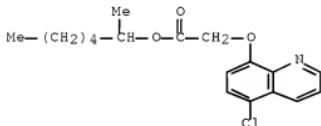
CMF C9 H6 F3 N3 O



CM 2

CRN 99607-70-2

CMF C18 H22 Cl N O3



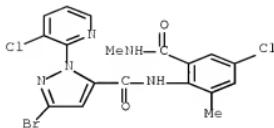
RN 874141-77-2 HCPLUS

CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester, mixt.  
with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-  
chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

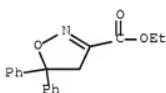
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 163520-33-0

CMF C18 H17 N O3



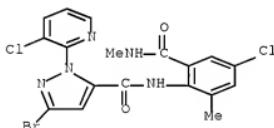
RN 874141-78-3 HCPLUS

CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

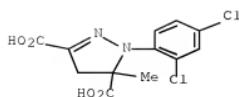
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 135591-00-3

CMF C12 H10 C12 N2 O4



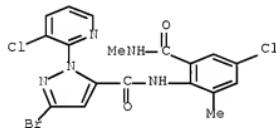
RN 874141-79-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-(methylamino)carbonylphenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

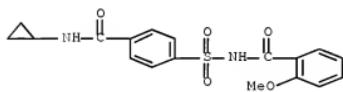
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 221667-31-8

CMF C18 H18 N2 O5 S



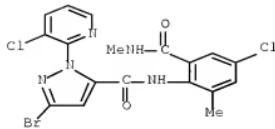
RN 874141-80-7 HCAPLUS

CN Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-(methylamino)carbonylphenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

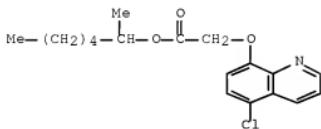
CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



CM 2

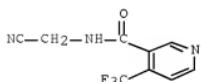
CRN 99607-70-2  
CMF C18 H22 Cl N O3

IT 158062-67-0D, mixts. with safeners 158062-72-7D, mixts.  
 with safeners 158062-73-8D, mixts. with safeners  
 158062-74-9D, mixts. with safeners 438450-41-0D, mixts.  
 with safeners 500008-00-4D, mixts. with safeners  
 500008-44-6D, mixts. with safeners 500008-45-7D, mixts.  
 with safeners 500008-60-6D, mixts. with safeners  
 500008-62-8D, mixts. with safeners 500010-08-2D, mixts.  
 with safeners 500010-10-6D, mixts. with safeners  
 533932-44-6D, mixts. with safeners 852241-81-7D, mixts.  
 with safeners

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (selective and synergistic insecticide and acaricide compns.)

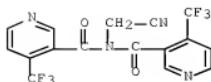
RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

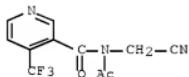


RN 158062-72-7 HCPLUS

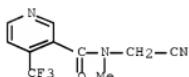
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-N-[{4-(trifluoromethyl)-3-pyridinyl]carbonyl}- (CA INDEX NAME)



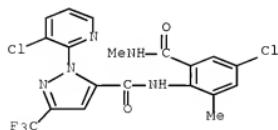
RN 158062-73-8 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-acetyl-N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



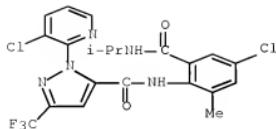
RN 158062-74-9 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-N-methyl-4-(trifluoromethyl)- (CA INDEX NAME)



RN 438450-41-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

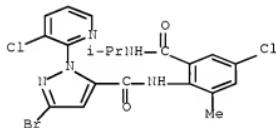


RN 500008-00-4 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



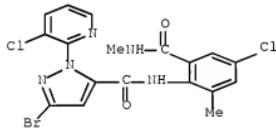
RN 500008-44-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



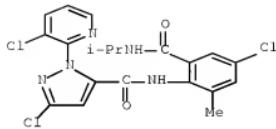
RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

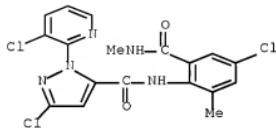


RN 500008-60-6 HCPLUS

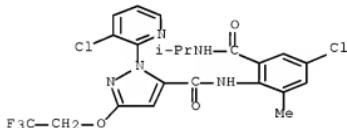
CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



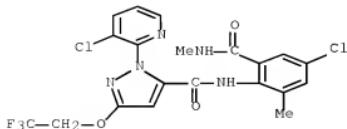
RN 500008-62-8 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500010-08-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

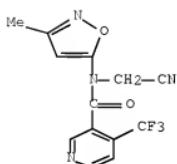


RN 500010-10-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



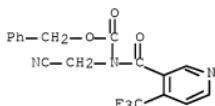
RN 533932-46-6 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-N-(3-methyl-5-isoxazolyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 852241-81-7 HCAPLUS

CN Carbanic acid, (cyanomethyl)[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



L30 ANSWER 28 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:53792 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 144:123269

TITLE: Synergistic mixtures of antranilamide invertebrate pest control agents

INVENTOR(S): Annan, Isaac Billy; Flexner, John Lindsey; Portillo, Hector Eduardo

PATENT ASSIGNEE(S): E.I. Dupont de Nemours and Company, USA

SOURCE: PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006007595	A2	20060119	WO 2005-US23813	20050630
WO 2006007595	A3	20060629		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,			

LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,  
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
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 AU 2005262309 A1 20060119 AU 2005-262309 20050630  
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 IN 2006DN07417 A 20070824 IN 2006-DN7417 20061207  
 MX 2006PA14898 A 20070228 MX 2006-PA14898 20061218  
 US 2008027046 A1 20080131 US 2006-630312 20061220  
 KR 2007054602 A 20070529 KR 2006-727828 20061229  
 PRIORITY APPLN. INFO.: US 2004-584601P P 20040701  
 US 2005-666073P P 20050329  
 WO 2005-US23813 W 20050630  
**AB** Mixts. and compns. for controlling invertebrate pests comprise (a) 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro- 2-pyridinyl)-1H-pyrazole-5-carboxamide (I), its N-oxides, or suitable salts thereof and (b) ≥1 component selected from neonicotinoids, cholinesterase inhibitors, sodium channel modulators, chitin synthesis inhibitors, ecdysone agonists, lipid biosynthesis inhibitors, macrocyclic lactones, GABA-regulated chloride channel blockers, juvenile hormone mimics, ryanodine receptor ligands, octopamine receptor ligands, mitochondrial electron transport inhibitors, nereistoxin analogs, pyridalyl, flonicamid, pymetrozine, dieldrin, metaflumizone, biol. agents, and suitable salts of these. Pest control methods involve contacting the invertebrate pest or its environment with a biol. effective amount of one of these arthropodidical mixts. Thus, I + spinosad synergistically controlled silverleaf whitefly (*Bemisia argentifolia*) on a cotton plant, with 100% mortality from spraying a 6 + 300 ppm formulated composition  
**CC** 5-4 (Agrochemical Bioregulators)  
**IT** Insecticides  
 (neonicotinoid, mixts. with anthranilamide pesticides; as synergistic arthropodicides)  
**IT** Insecticides  
 (synergistic; mixts. containing anthranilamide pesticides as)  
 873329-92-1 873329-94-3 873329-95-4  
 873329-96-5 873329-97-6 873329-98-7  
 873329-99-8 873330-00-8 873330-02-0  
 873330-04-2 873330-05-3 873330-07-5  
 873330-09-7 873330-11-1 873330-13-3  
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 873330-42-8 873330-43-9  
**RL:** AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

## (as synergistic arthropodicide)

IT 60-57-1D, Dieldrin, mixts. with anthranilamide pesticides 1631-58-9D,  
 Nereistoxin, analogs, mixts. with anthranilamide pesticides 15263-53-3D,  
 Cartap, mixts. with anthranilamide pesticide oxides and salts  
 16752-77-5D, Methomyl, mixts. with anthranilamide pesticide oxides and  
 salts 23135-22-0D, Oxamyl, mixts. with anthranilamide pesticide oxides  
 and salts 33089-61-1D, Amitraz, mixts. with anthranilamide pesticide  
 oxides and salts 40596-69-8D, Methoprene, mixts. with anthranilamide  
 pesticide oxides and salts 52918-63-5D, Deltamethrin, mixts. with  
 anthranilamide pesticide oxides and salts 67485-29-4D, Hydramethylnon,  
 mixts. with anthranilamide pesticide oxides and salts 71751-41-2D,  
 Abamectin, mixts. with anthranilamide pesticide oxides and salts  
 72490-01-8D, Fenoxycarb, mixts. with anthranilamide pesticide oxides and  
 salts 86479-06-3D, Hexaflumuron, mixts. with anthranilamide pesticide  
 oxides and salts 91465-08-6D, mixts. with anthranilamide pesticide  
 oxides and salts 96489-71-3D, Pyridaben, mixts. with anthranilamide  
 pesticide oxides and salts 111988-49-9D, Thiacloprid, mixts. with  
 anthranilamide pesticide oxides and salts 116714-46-6D, Novaluron,  
 mixts. with anthranilamide pesticide oxides and salts 120068-37-3D,  
 Fipronil, mixts. with anthranilamide pesticide oxides and salts  
 122453-73-0D, Chlорfenapyr, mixts. with anthranilamide pesticide oxides  
 and salts 123312-89-0D, Pymetrozine, mixts. with anthranilamide  
 pesticides 138261-41-3D, Imidacloprid, mixts. with anthranilamide  
 pesticide oxides and salts 139968-49-3D, Metaflumizone, mixts. with  
 anthranilamide pesticides 150824-47-8D, Nitencyclpyram, mixts. with  
 anthranilamide pesticide oxides and salts 153719-23-4D, Thiamethoxam,  
 mixts. with anthranilamide pesticide oxides and salts 158062-67-0D  
 , Flonicamid, mixts. with anthranilamide pesticide oxides and salts  
 158062-67-0D, Flonicamid, mixts. with anthranilamide pesticides  
 165252-70-0D, Dinotefuran, mixts. with anthranilamide pesticide oxides and  
 salts 168316-95-8D, Spinosad, mixts. with anthranilamide pesticide  
 oxides and salts 173584-44-6D, Indoxacarb, mixts. with anthranilamide  
 pesticide oxides and salts 179101-81-6D, Pyridalyl, mixts. with  
 anthranilamide pesticides 500008-45-7D, or oxides or salts,  
 mixts. containing

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

## (as synergistic arthropodicides)

IT 873329-92-1 873329-94-3 873329-95-4  
 873329-96-5 873329-97-6 873329-98-7  
 873329-99-8 873330-00-3 873330-02-0  
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 873330-34-8 873330-35-9 873330-36-0  
 873330-37-1 873330-39-3 873330-40-6  
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

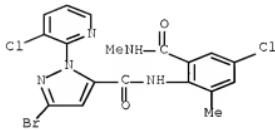
## (as synergistic arthropodicide)

RN 873329-92-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with  
 (2E)-1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI)  
 (CA INDEX NAME)

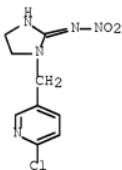
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

CRN 138261-41-3  
 CMF C9 H10 Cl N5 O2

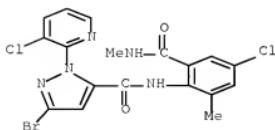


RN 873329-94-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with spinosad (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7  
 CMF C18 H14 Br C12 N5 O2



CM 2

CRN 168316-95-8

CMF Unspecified

CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

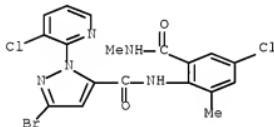
RN 873329-95-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

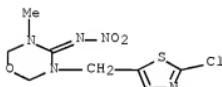
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 153719-23-4

CMF C8 H10 Cl N5 O3 S



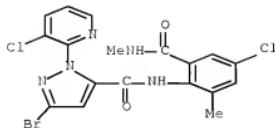
RN 873329-96-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 4-chloro-2-(1,1-dimethylethyl)-5-[[[4-(1,1-dimethylethyl)phenyl]methyl]thio]-3(2H)-pyridazinone (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

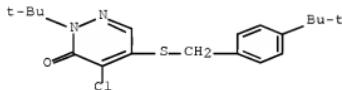
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 96489-71-3

CMF C19 H25 Cl N2 O S



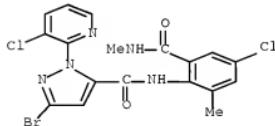
RN 873329-97-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

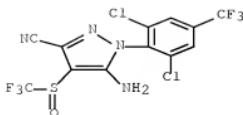
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 120068-37-3

CMF C12 H4 Cl2 F6 N4 O S



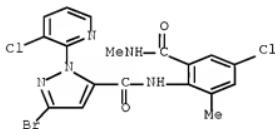
RN 873329-98-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

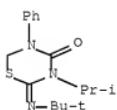
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 69327-76-0

CMF C16 H23 N3 O S



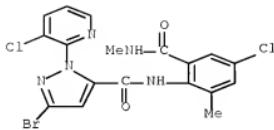
RN 873329-99-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

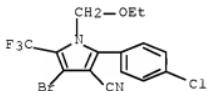
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 122453-73-0

CMF C15 H11 Br Cl F3 N2 O



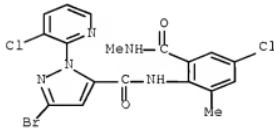
RN 873330-00-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-cyclopropyl-1,3,5-triazine-2,4,6-triamine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

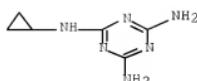
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 66215-27-8

CMF C6 H10 N6



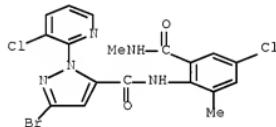
RN 873330-02-0 HCPLUS

CN Carbamic acid, [2-(4-phenoxyphenoxy)ethyl]-, ethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 72490-01-8

CMF C17 H19 N O4



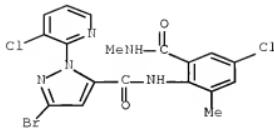
RN 873330-04-2 HCPLUS

CN 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, 1-methylethyl ester, (2E,4E)-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 40596-69-8

CMF C19 H34 O3

Double bond geometry as shown.



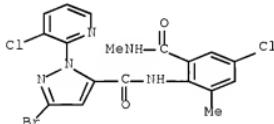
RN 873330-05-3 HCAPLUS

CN Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-((methylamino)carbonyl)phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

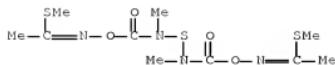
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 59669-26-0

CMF C10 H18 N4 O4 S3



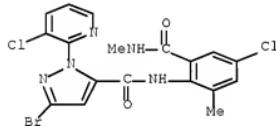
RN 873330-07-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-,  
(S)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-, mixt. with  
3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

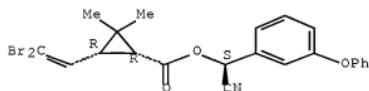


CM 2

CRN 52918-63-5

CMF C22 H19 Br2 N O3

Absolute stereochemistry.



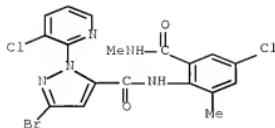
RN 873330-09-7 HCAPLUS

CN Ethanimidothioc acid, 2-(dimethylamino)-N-[(methylamino)carbonyloxy]-2-  
oxo-, methyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-  
carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



CM 2

CRN 23135-22-0

CMF C7 H13 N3 O3 S



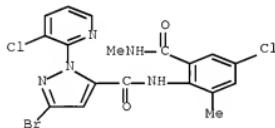
RN 873330-11-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[[3,5-dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

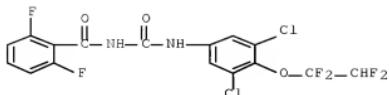
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 86479-06-3

CMF C16 H8 Cl2 F6 N2 O3



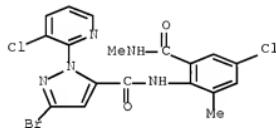
RN 873330-13-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (1E)-N-[6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethanimidamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

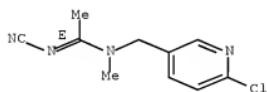


CM 2

CRN 135410-20-7

CMF C10 H11 Cl N4

Double bond geometry as shown.



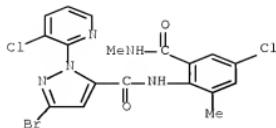
RN 873330-15-5 HCPLUS

CN Carbamothioic acid, S,S'-[2-(dimethylamino)-1,3-propanediyl] ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2



CM 2

CRN 15263-53-3

CMF C7 H15 N3 O2 S2



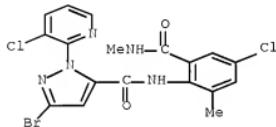
RN 873330-17-7 HCPLUS

CN Benzeneacetic acid, 4-chloro- $\alpha$ -(1-methylethyl)-,  
 (S)-cyano(3-phenoxyphenyl)methyl ester, (aS)-, mixt. with  
 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
 2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

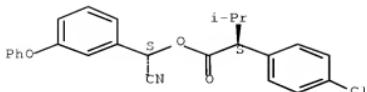


CM 2

CRN 66230-04-4

CMF C25 H22 Cl N O3

Absolute stereochemistry. Rotation (-).



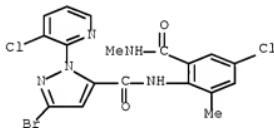
RN 873330-18-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with [3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]cyanamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br C12 N5 O2

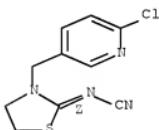


CM 2

CRN 111988-49-9

CMF C10 H9 Cl N4 S

Double bond geometry as shown.

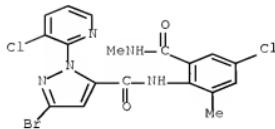


RN 873330-19-9 HCPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1S,3S)-rel-, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

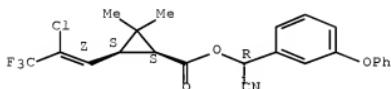
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 91465-08-6  
 CMF C23 H19 Cl F3 N O3

Relative stereochemistry.  
 Double bond geometry as shown.

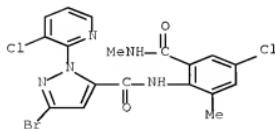


RN 873330-20-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (1E)-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-1,1-ethenediamine (9CI) (CA INDEX NAME)

CM 1

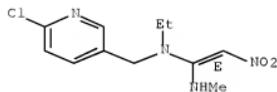
CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 150824-47-8  
 CMF C11 H15 Cl N4 O2

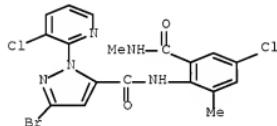
Double bond geometry as shown.



RN 873330-21-3 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[(3-chloro-4-1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide (9CI) (CA INDEX NAME)

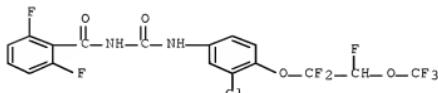
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

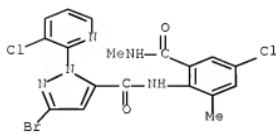
CRN 116714-46-6  
 CMF C17 H9 Cl F8 N2 O4



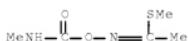
RN 873330-22-4 HCPLUS  
 CN Ethanimidothioic acid, N-[(methylamino)carbonyloxy]-, methyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2

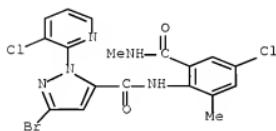


CM 2  
 CRN 16752-77-5  
 CMF C5 H10 N2 O2 S

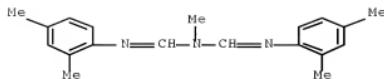


RN 873330-23-5 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N'-(2,4-dimethylphenyl)-N-[(2,4-dimethylphenyl)imino]methyl]-N-methylmethanimidamide (9CI) (CA INDEX NAME)

CM 1  
 CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2  
 CRN 33089-61-1  
 CMF C19 H23 N3



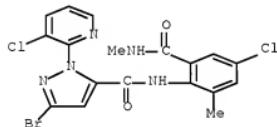
RN 873330-25-7 HCPLUS

CN Indeno[1,2-e][1,3,4]oxadiazine-4a(3H)-carboxylic acid,  
7-chloro-2,5-dihydro-2-[(methoxycarbonyl)(4-(trifluoromethoxy)phenyl)amin  
o]carbonyl-, methyl ester, (4aS)-, mixt. with 3-bromo-N-[4-chloro-2-  
methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-  
pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

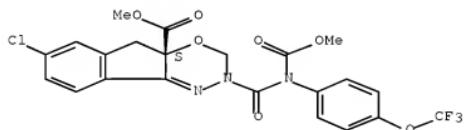


CM 2

CRN 173584-44-6

CMF C22 H17 Cl F3 N3 O7

Absolute stereochemistry. Rotation (+).

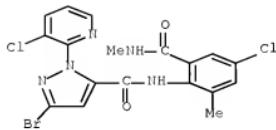


RN 873330-26-8 HCPLUS

CN Benzoic acid, 3,5-dimethyl-, 1-(1,1-dimethylethyl)-2-(4-  
ethylbenzoyl)hydrazide, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-  
carboxamide (9CI) (CA INDEX NAME)

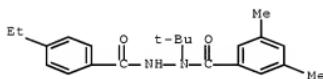
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 112410-23-8  
 CMF C22 H28 N2 O2

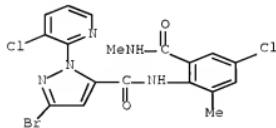


RN 873330-27-9 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-[[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide (9CI) (CA INDEX NAME)

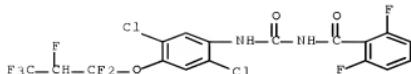
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 103055-07-8  
 CMF C17 H8 Cl2 F8 N2 O3



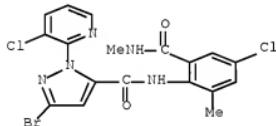
RN 873330-29-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with N-methyl-N'-nitro-N''-[(tetrahydro-3-furanyl)methyl]guanidine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 165252-70-0

CMF C7 H14 N4 O3



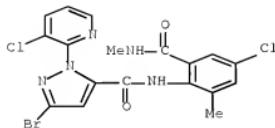
RN 873330-30-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with (1aR,2R,2aS,3S,6R,6aR,7S,7aS)-rel-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3-b]oxirene (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

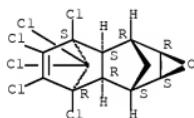


CM 2

CRN 60-57-1

CMF C12 H8 Cl6 O

Relative stereochemistry.



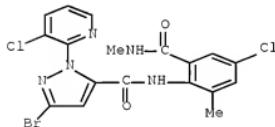
RN 873330-31-5 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

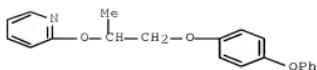
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 95737-68-1

CMF C20 H19 N O3

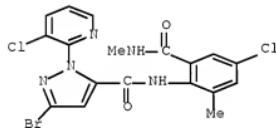


RN 873330-32-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 4,5-dihydro-6-methyl-4-[(E)-(3-pyridinylmethylen)e]amino]-1,2,4-triazin-3(2H)-one (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

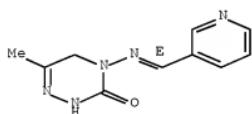


CM 2

CRN 123312-89-0

CMF C10 H11 N5 O

Double bond geometry as shown.

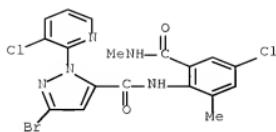


RN 873330-34-8 HCAPLUS  
 CN Acetic acid, [(1-[(dimethylamino)carbonyl]-3-(1,1-dimethylethyl)-1H-1,2,4-triazol-5-yl]thio]-, ethyl ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

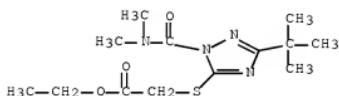
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 112143-82-5

CMF C13 H22 N4 O3 S



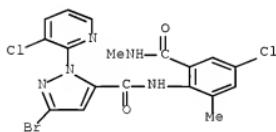
RN 873330-35-9 HCAPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with  
3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-  
2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

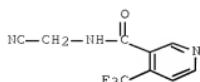
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 158062-67-0

CMF C9 H6 F3 N3 O



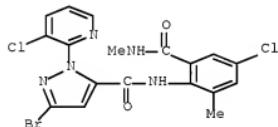
RN 873330-36-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

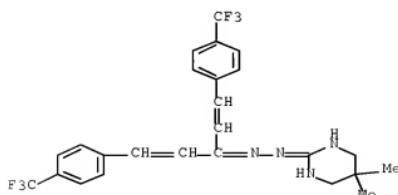
CMF C18 H14 Br C12 N5 O2



CM 2

CRN 67485-29-4

CMF C25 H24 F6 N4

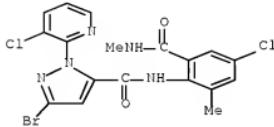


RN 873330-37-1 HCPLUS

CN Avermectin B1, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 71751-41-2  
 CMF Unspecified  
 CCI MAN

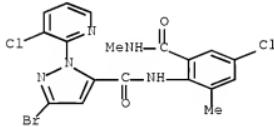
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 873330-39-3 HCPLUS

CN Benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl)hydrazide, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

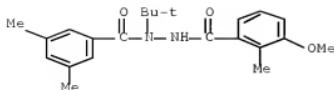
CM 1

CRN 500008-45-7  
 CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 161050-58-4  
 CMF C22 H28 N2 O3



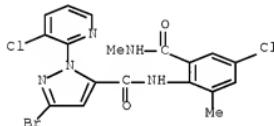
RN 873330-40-6 HCPLUS

CN Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester, mixt. with 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 500008-45-7

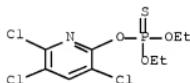
CMF C18 H14 Br Cl2 N5 O2



CM 2

CRN 2921-88-2

CMF C9 H11 Cl3 N O3 P S



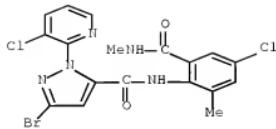
RN 873330-42-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with 2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl)pyridine (9CI) (CA INDEX NAME)

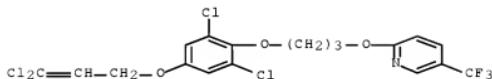
CM 1

CRN 500008-45-7

CMF C18 H14 Br Cl2 N5 O2

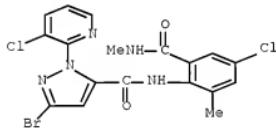


CM 2

CRN 179101-81-6  
CMF C18 H14 C14 F3 N O3

RN 873330-43-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-, mixt. with [C(E)]-N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N''-nitroguanidine (9CI)  
 (CA INDEX NAME)

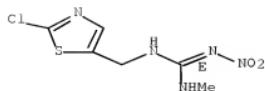
CM 1

CRN 500008-45-7  
CMF C18 H14 Br C12 N5 O2

CM 2

CRN 210880-92-5  
CMF C6 H8 Cl N5 O2 S

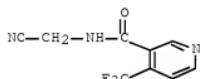
Double bond geometry as shown.



IT 158062-67-0D, Flonicamid, mixts. with anthranilamide pesticide oxides and salts 500008-45-7D, or oxides or salts, mixts. containing RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as synergistic arthropodicides)

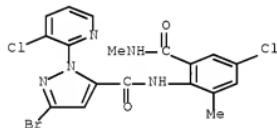
RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 29 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1001884 HCPLUS Full-text  
 DOCUMENT NUMBER: 143:281039  
 TITLE: Oil-based pesticide suspension concentrates  
 INVENTOR(S): Baur, Peter; Fischer, Reiner; Vermeer, Ronald  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005084435	A2	20050915	WO 2005-EP2285	20050304
WO 2005084435	A3	20051124		
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DE 102004011007	A1	20050922	DE 2004-102004011007	20040306
AU 2005220023	A1	20050915	AU 2005-220023	20050304
EP 1725104	A2	20061129	EP 2005-715725	20050304
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CN 1929743	A	20070314	CN 2005-80007233	20050304
BR 2005008525	A	20070814	BR 2005-8525	20050304
JP 2007527425	T	20070927	JP 2007-501226	20050304
IN 2006DN04961	A	20070713	IN 2006-DN4961	20060829
MX 2006PA10020	A	20061115	MX 2006-PA10020	20060904
US 20072081860	A1	20071206	US 2007-591129	20070716
PRIORITY APPLN. INFO.: DE 2004-102004011007A 20040306 WO 2005-EP2285 W 20050304				

OTHER SOURCE(S): MARPAT 143:281039

AB The invention relates to oil-based suspension concs. consisting of at least one agrochem. ingredient that is solid at room temperature, at least one "closed" penetration promoter, at least one vegetable oil or mineral oil, at least one nonionic surfactant and/or at least one anionic surfactant, and optionally at least one additive from the group of emulsifiers, foam-inhibiting agents, preservatives, antioxidants, dyes and/or inert filler materials. The penetration promoter is an alc. ethoxylate or related compound

IC ICM A01N025-04  
ICS A01N025-30; A01N051-00; A01N047-06

CC 5-4 (Agrochemical Bioregulators)

IT 111988-49-9, Thiacloprid 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam 165252-70-0, Dinotefuran 210880-92-5, Clothianidin 332608-10-8 500008-00-4 500008-45-7 736994-60-8 736994-63-1

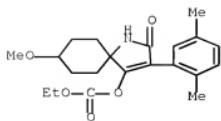
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil-based pesticide suspension concs.)

IT 382608-10-8 500008-60-4 500008-45-7

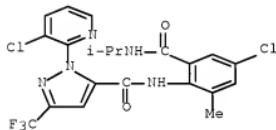
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil-based pesticide suspension concs.)

RN 382608-10-8 HCPLUS

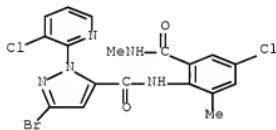
CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



RN 500008-00-4 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



L30 ANSWER 30 OF 35 HCAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:523209 HCAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 143:21468  
 TITLE: Synergistic insecticidal and acaricidal compositions comprising anthranilic acid amines  
 INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram; Thielert, Wolfgang; Kraus, Anton  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 68 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053405	A1	20050616	WO 2004-EP13198	20041120
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004021566	A1	20050630	DE 2004-102004021566	20040503
AU 2004294259	A1	20050616	AU 2004-294259	20041120
EP 1691608	A1	20060823	EP 2004-798023	20041120
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CN 1889835	A	20070103	CN 2004-80036176	20041120
BR 2004017315	A	20070327	BR 2004-17315	20041120
JP 2007513103	T	20070524	JP 2006-541833	20041120
CN 101253861	A	20080903	CN 2008-10093705	20041120
IN 2006DN02823	A	20070518	IN 2006-DN2823	20060518
MX 2006PA06209	A	20060809	MX 2006-PAG209	20060601
US 20070270416	A1	20071122	US 2007-581447	20070412
PRIORITY APPLN. INFO.:			DE 2003-10356551 A	20031204
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			CN 2004-80036176 A3	20041120
			WO 2004-EP13198 W	20041120

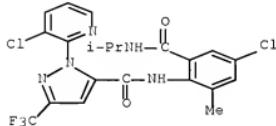
OTHER SOURCE(S): MARPAT 143:21468

- AB Synergistic insecticidal and acaricidal compns. comprise cyclic ketoenols or other insecticides (amitraz, buprofezin, triazamate, pymetrozine, pyriproxyfen, flonicamid or pirimicarb) and addnl. insecticides from the group of anthranilic acid amines.
- IC ICM A01N043-00
- CC 5-4 (Agrochemical Bioregulators)
- IT Acaricides
  - Insecticides
    - (synergistic; compns. comprising anthranilic acid amines)
- IT 853058-37-4 853058-38-5 853058-39-6
  - RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
    - (synergistic insecticidal and acaricidal composition)
- IT 23103-98-2D, Pirimicarb), mixts. with anthranilic acid amines
  - 33089-61-1D, (Amitraz, mixts. with anthranilic acid amines 69327-76-0D, Buprofezin, mixts. with anthranilic acid amines 112143-82-5D, Triazamate, mixts. with anthranilic acid amines 123312-89-0D, Pymetrozine, mixts. with anthranilic acid amines 159062-67-0D, Flonicamid, mixts. with anthranilic acid amines 382608-10-8D, mixts. with anthranilic acid amines
- RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
  - (synergistic insecticidal and acaricidal compns.)
- IT 853058-37-4 853058-38-5 853058-39-6
  - RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
    - (synergistic insecticidal and acaricidal composition)
- RN 853058-37-4 HCPLUS
- CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-

methyllethyl)amino]carbonylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-, mixt. with 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one (9CI) (CA INDEX NAME)

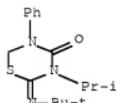
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CM 2

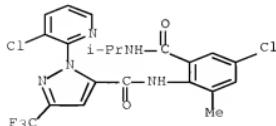
CRN 69327-76-0  
 CMF C16 H23 N3 O S



RN 853058-38-5 HCPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with N-(4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

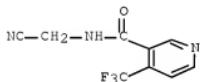
CM 1

CRN 500008-00-4  
 CMF C21 H18 C12 F3 N5 O2



CM 2

CRN 158062-67-0  
 CMF C9 H6 F3 N3 O

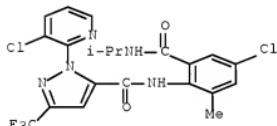


RN 853058-39-6 HCAPLUS

CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, mixt. with N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide (9CI) (CA INDEX NAME)

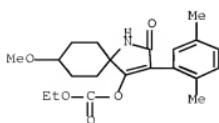
CM 1

CRN 500008-00-4  
 CMF C21 H18 Cl2 F3 N5 O2



CM 2

CRN 382608-10-8  
 CMF C21 H27 N O5

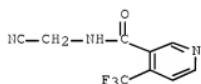


IT 158062-67-9D, Flonicamid, mixts. with anthranilic acid amines  
382608-10-8D, mixts. with anthranilic acid amines

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic insecticidal and acaricidal compns.)

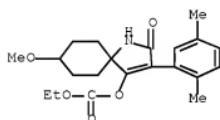
RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 382608-10-8 HCPLUS

CN Carbonic acid, 3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 31 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:648522 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 141:190786

TITLE: Preparation of cyano anthranilamide insecticides

INVENTOR(S): Hughes, Kenneth Andrew; Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin

PATENT ASSIGNEE(S): E.I. Du Font De Nemours and Company, USA

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

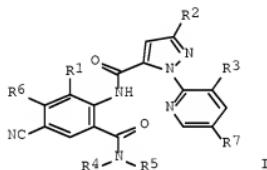
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004067528	A1	20040812	WO 2004-US3568	20040121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
AU 2004207848	A1	20040812	AU 2004-207848	20040121

CA 2512242	A1	20040812	CA 2004-2512242	20040121
EP 1599463	A1	20051130	EP 2004-704148	20040121
R: AT, BE, CH, IE, SI, LT,	DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
MD 2005000219	A	20051130	MD 2005-219	20040121
BR 200406709	A	20051220	BR 2004-6709	20040121
JP 3764895	B1	20060412	JP 2005-518229	20040121
JP 2006515602	T	20060601		
CN 1829707	A	20060906	CN 2004-80002991	20040121
ZA 2005005310	A	20060927	ZA 2005-5310	20040121
NZ 541112	A	20080131	NZ 2004-541112	20040121
EG 23536	A	20060419	EG 2004-49	20040127
JP 2006028159	A	20060202	JP 2005-148184	20050520
JP 3770500	B2	20060426		
JP 2006290862	A	20061026	JP 2005-148201	20050520
US 20060111403	A1	20060525	US 2005-540966	20050629
US 7247647	B2	20070724		
MX 2005PA07924	A	20050930	MX 2005-PA7924	20050726
KR 2007036196	A	20070402	KR 2007-706234	20070319
US 20070264299	A1	20071115	US 2007-811105	20070608
PRIORITY APPLN. INFO.:			US 2003-443256P	P 20030128
			JP 2005-518229	A3 20040121
			WO 2004-US3568	W 20040121
			KR 2005-700059	A3 20050103
			US 2005-540966	A3 20050629

OTHER SOURCE(S):

MARPAT 141:190786

GI



AB The title compds. [I; R1 = Me, Cl, Br, F; R2 = F, Cl, Br, haloalkyl or haloalkoxy; R3 = F, Cl, Br; R4 = H, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, each optionally substituted with one substituent selected from the group consisting of halo, CN, SMe, S(O)Me, S(O)2Me and OMe; R5 = H, Me; R6 = H, F, Cl; R7 = H, F, Cl], useful for controlling an invertebrate pest, were prepared E.g., a multi-step synthesis of compound I [R1 = Me; R2 = CF3; R3 = Cl; R4, R5 = H], was given. The compds. I were tested in various biol. tests (data given). This invention also pertains to a composition for controlling an invertebrate pest comprising a biol. effective amount of a compound I, an N-oxide thereof or a suitable salt of the compound I and at least one addnl. component selected from the group consisting of a surfactant, a solid diluent and a liquid diluent.

IC ICM C07D401-04

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT Insecticides

(preparation of cyano anthranilamide insecticides for use in combination with other biol. active compds.)

IT	52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphosmethyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathionmethyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6, Phosmet 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifosmethyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropothrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-3, Thiosultapsodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 59669-26-0, Thiocarb 62850-32-2, Fenothiocarb 63837-33-2, Dicofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin 68359-37-5, Beta-Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxy carb 73989-17-0, Avermectin 76703-62-3 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7, Amidoflumet 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaten 101463-69-8, Flufenoxuron 102851-06-9, Taufluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacloprid 112226-61-6, Halofenozone 112410-23-8, Tebufenozone 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0, Chlорfenapyr 123312-89-0, Pymetrozine 129558-76-5, Tolfenpyrad 134098-61-6, Fenpyroximate 135410-20-7, Acetaniprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide 149877-41-8, Bifenazate 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 170015-32-4, Flufennerim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 201593-84-2, Bistrifluron 209861-58-5, Acetoprole 210880-92-5, Clothianidin 223419-20-3, Profluthrin 240494-70-6, Metofluthrin 283594-90-1, Spiromesifen					
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (co-administration; preparation of cyano anthranilamide insecticides for use in combination with other biol. active compds.)						
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 736995-48-5P 736995-49-6P 736995-50-9P 736995-51-0P  
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyano anthranilamide insecticides)

IT 4389-45-1P 14339-33-4P 14521-80-3P 101012-31-1P 438450-38-5P  
 438450-39-6P 458543-77-6P 458543-78-7P 458543-79-8P  
 500008-69-5P 500011-84-7P 500011-85-8P 500011-86-9P  
 500028-90-0P 736995-60-1P 736995-61-2P 736995-62-3P 736995-63-4P  
 736995-64-5P 736995-65-6P 736995-66-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

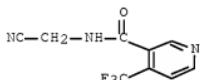
(preparation of cyano anthranilamide insecticides)

IT 158062-67-0, Flonicamid  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (co-administration; preparation of cyano anthranilamide insecticides for

use  
 in combination with other biol. active compds.)

RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

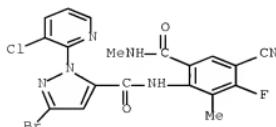


IT 736995-51-0P 736995-52-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of cyano anthranilamide insecticides)

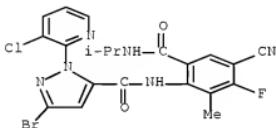
RN 736995-51-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-(methylamino)carbonyl]phenyl- (CA INDEX NAME)



RN 736995-52-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-cyano-3-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonylphenyl]- (CA INDEX NAME)

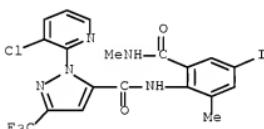


IT 500008-69-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of cyano anthranilamide insecticides)

RN 500008-69-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



L30 ANSWER 32 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:242097 HCPLUS Full-text

DOCUMENT NUMBER: 138:267201

TITLE: Pesticidal compositions for coating plant propagation material containing anthranilamides

INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours &amp; Co., USA

SOURCE: PCT Int. Appl., 147 pp.

DOCUMENT TYPE: CODEN: PIXXD2

LANGUAGE: Patent English

FAMILY ACC. NUM. COUNT: 1

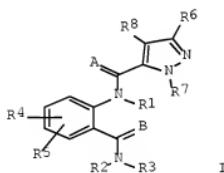
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024222	A1	20030327	WO 2002-US30302	20020910

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
TW 283164	B	20070701	TW 2002-91118199
CA 2458163	A1	20030327	CA 2002-2458163
AU 2002341819	B9	20030401	AU 2002-341819
AU 2002341819	A1	20030401	
AU 2002341819	B2	20070719	
EP 1427285	A1	20040616	EP 2002-775972
EP 1427285	B1	20070822	
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BR 2002012993	A	20040817	BR 2002-12993
JP 200502716	T	20050127	JP 2003-528126
JP 3770495	B2	20060426	
HU 2004001893	A2	20050128	HU 2004-1893
HU 2004001893	A3	20051128	
NZ 532269	A	20051028	NZ 2002-532269
CN 1713819	A	20051228	CN 2002-818578
RU 2292138	C2	20070127	RU 2004-111986
AT 370656	T	20070915	AT 2002-775972
ES 2291500	T3	20080301	ES 2002-775972
ZA 2004000413	A	20050120	ZA 2004-413
US 20040209923	A1	20041021	US 2004-485125
IN 2004MN0090	A	20070706	IN 2004-MN90
MX 2004PA02648	A	20040607	MX 2004-PA2648
KR 783260	B1	20071206	KR 2004-704134
IN 2005MN00443	A	20050930	IN 2005-MN443
PRIORITY APPLN. INFO.:			
		US 2001-323941P	P 20010921
		WO 2002-US30302	W 20020910

OTHER SOURCE(S): MARPAT 138:267201  
GI



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an antranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing antranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids,

carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

IC ICM A01N043-56

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s): 28

IT Insecticides

(carbamate; in pesticidal compns. for plant propagation material containing anthranilamides)

IT Insecticides

(neonicotinoid; in pesticidal compns. for plant propagation material containing anthranilamides)

IT 500005-72-1 500005-73-2 500005-74-3 500005-75-4 500005-76-5

500005-77-6 500005-78-7 500005-79-8 500005-80-1 500005-81-2

500005-82-3 500005-84-5 500005-85-6 500005-86-7 500005-87-8

500005-88-9 500005-89-0 500005-90-3 500005-94-7 500005-95-8

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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

IT 500008-55-9 500008-56-0 500008-57-1 500008-58-2  
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 500008-90-2 500008-91-3 500008-92-4  
 500008-93-5 500008-94-6 500008-95-7  
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500011-19-8	500011-20-1	500011-21-2	500011-22-3	500011-23-4
500011-24-5	500011-25-6			
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)				
(anthranilamide compds. as pesticides for plant propagation material)				
IT 500011-26-7	500011-27-8	500011-28-9	500011-29-0	500011-31-4
500011-37-0	500011-38-1	500011-39-2	500011-40-5	500011-41-6
500011-42-7	500011-43-8	500011-44-9	500011-45-0	500011-46-1
500011-47-2	500011-48-3	500011-49-4	500011-50-7	500011-51-8
500011-52-9	500011-53-0	500011-54-1	500011-55-2	
500011-56-3	500011-57-4	500011-58-5	500011-59-6	500011-60-9
500011-61-0	500011-62-1	500011-63-2	500011-64-3	500011-80-3
503163-52-8	503163-54-0	503163-56-2	503163-66-4	
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)				
(anthranilamide compds. as pesticides for plant propagation material)				
IT 362639-39-2	362639-72-3	500005-60-7	500005-61-8	500005-62-9
500005-63-0	500005-66-3	500005-67-4	500005-68-5	500005-83-4
500005-91-4	500005-92-5	500005-93-6	500005-96-9	500006-28-0
500007-18-1	500007-19-2	500007-22-7	500007-98-7	
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500009-75-6	500009-76-7	500009-85-8	500010-66-2	500011-03-0
500011-09-6	500011-30-3	500011-32-5	500011-33-6	
500011-35-8	500011-36-9	500011-65-4		
500011-66-5	500011-67-6	500011-68-7	500011-69-8	
500011-70-1	500011-71-2	500011-72-3	500011-73-4	500011-74-5
500011-75-6	500011-76-7	500011-77-8	500011-78-9	
500011-79-0	503163-58-4	503163-61-9	503163-64-2	
RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)				
(anthranilamide compds. as pesticides for plant propagation material)				
IT 52-68-6	56-38-2	57-13-6D, Urea, derivs.	60-51-5, Dimethoate	
72-43-5	76-87-9,	Fentin hydroxide	83-79-4	86-50-0, Azinphos-methyl
99-30-9,	Dicloran	108-62-3	115-29-7	115-32-2
133-06-2,	Captan	133-07-3,	Folpet	137-26-8,
Thiabendazole	298-00-0	298-02-2	333-41-5,	Thiram 148-79-8,
732-11-6	900-95-8,	Fentin acetate	944-22-9	950-37-8
Copper oxychloride	1563-66-2,	Carbofuran	1897-45-6,	Chlorothalonil
2079-00-7,	Blasticidin-S	2227-17-0	2310-17-0	2312-35-8
2921-88-2,	Captafol	2439-01-2	2439-10-3,	Dodine 2675-77-6,
Chlorpyrifos	5598-13-0,	Chlorpyrifos-methyl	6585-53-1,	
Ferric methaneearsonate	6923-22-4	6980-18-3,	Kasugamycin	7440-50-8D,
Copper, salts	7704-34-9,	Sulfur, biological studies	8011-63-0,	
Bordeaux mixture	8018-01-7,	Mancozeb	10265-92-6	10605-21-7,
Carbendazim	11141-17-6,	Azadirachtin	12427-38-2,	Maneb 13071-79-9
13121-70-5	13171-21-6	13356-08-6	16752-77-5	17109-49-8, Edifenphos
17804-35-2,	Benomyl	22224-92-6	22248-79-9	23103-98-2
23564-05-8,	Thiophanate-methyl	24579-73-5,	Propamocarb	25311-71-1
26087-47-8,	Iprobenopfen	27605-76-1,	Probenazole	30560-19-1, Acephate
33089-61-1	35367-38-5,	Diflubenzuron	35400-43-2	36734-19-7,
Iprodione	39148-24-8,	Fosetylaluminum	39515-41-8	40596-69-8
41198-08-7	41814-78-2,	Tricyclazole	43121-43-3,	Triadimefon
50471-44-8,	Vinclozolin	50512-35-1,	Isoprothiolane	50642-14-3,
Validamycin	51630-58-1	52207-48-4	52315-07-8,	Cypermethrin

52645-53-1	52918-63-5, Deltamethrin	53112-28-0, Pyrimethanil
55219-65-3, Triadimenol	55814-41-0, Mepronil	57369-32-1, Pyroquilon
57646-30-7, Furalaxyxl	57837-19-1, Metalaxyl	57966-95-7, Cymoxanil
58842-20-9	59669-26-0	60168-88-9, Fenarimol
Propiconazole	62850-32-2	62865-36-5, Diclomezine
Difenolanol	64628-44-0	66063-05-6, Pencycuron
66230-04-4	66246-88-6, Penconazole	66332-96-5, Flutolanil
67306-00-7, Fenpropidin	67564-91-4, Fenpropimorph	67747-09-5,
Prochloraz	68085-85-8, Cyhalothrin	68359-37-5, Cyfluthrin
69327-76-0, Buprofezin	70124-77-5	70630-17-0, Mefenoxam
Chlorfluazuron	71751-41-2, Abamectin	72490-01-8
Avermectin	74738-17-3, Fenpiclonil	76674-21-0, Flutriafol
77732-09-3, Oxadixyl	78587-05-0	79538-32-2
79983-71-4, Hexaconazole	80060-09-9, Diafenthiuron	82657-04-3,
Bifenthrin	83121-18-0	83657-18-5, Diniconazole-M
Diniconazole	84466-05-7, Amidoflumet	85509-19-9, Flusilazole
86479-06-3	88283-41-4, Pyrifenox	88671-89-0, Myclobutanil
94361-06-5, Cyproconazole	95737-68-1	96489-71-3
102851-06-9	103055-07-8	104030-54-8, Carpropanid
Tebuconazole	110488-70-5, Dimethomorph	111988-49-9
112281-77-3, Tetraconazole	112410-23-8	114369-43-6, Fenbuconazole
116255-48-2, Bromuconazole	116714-46-6	118134-30-8, Spiroxamine
119168-77-3	119446-68-3, Difenoconazole	119791-41-2, Emamectin
120068-37-3	120928-09-8	121451-02-3
122453-73-0, Chlorfenapyr	123312-89-0	123572-88-3, Furametylpyr
124495-18-7, Quinoxifen	125116-23-6, Metconazole	125225-28-7,
Ipconazole	126448-41-7, Acibenzolar	130000-40-7, Thifluzamide
131341-86-1, Fludioxonil	131807-57-3, Famoxadone	131860-33-8,
Azoxystrobin	131983-72-7, Triticonazole	133408-50-1, Metominostrobin
133855-98-8, Epoxiconazole	134098-61-6	135410-20-7, Acetamiprid
136426-54-5, Fluquinconazole	138261-41-3	139920-32-4, Dicloconymet
140923-17-7, SZX0722	141517-21-7, Trifloxystrobin	143390-89-0,
Kresoxim-methyl	143807-66-3, Chromafenozide	149877-41-8, Bifenazate
149961-52-4, Dimoxystrobin	153233-91-1	153719-23-4
Flumetover	156052-68-5, RB 7281	158062-67-0
161326-34-7	168316-95-8, Spinosad	161050-58-4
175013-18-0, Pyraclostrobin	170015-32-4	173584-44-6
180409-60-3, Cyflufenamid	181587-01-9	188425-85-6, Nicobifen
189278-12-4, Proquinazid	210880-92-5, Clothianidin	211867-47-9,
SYP-L190	220899-03-6, Metrafenone	223580-51-6, Tiadinil
Orysastrobin	283594-90-1	248593-16-0,
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)	(in pesticidal compns. for plant propagation material containing anthranilamides)	
IT 362637-53-4P	362637-70-5P	362638-30-0P
438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide	500008-60-4P	500008-44-6P
500008-60-6P	500008-62-6P	500010-10-6P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)	(preparation of anthranilamide compds. as pesticides for plant propagation material)	
IT 500007-01-2	500007-27-2	500007-28-3
500007-29-4	500007-30-7	500007-33-0
500007-34-1	500007-35-2	500007-38-5
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500007-47-6	500007-48-7	500007-58-9

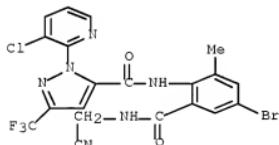
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(anthranilamide compds. as pesticides for plant propagation material)

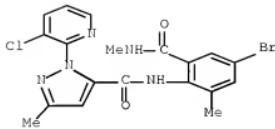
RN 500007-01-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-(CA INDEX NAME)



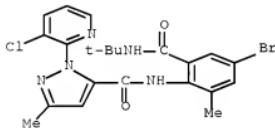
RN 500007-27-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl-(CA INDEX NAME)



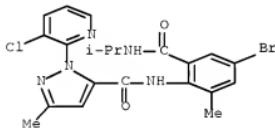
RN 500007-28-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



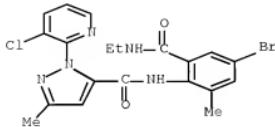
RN 500007-29-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



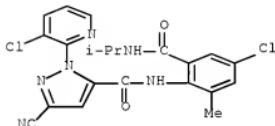
RN 500007-30-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



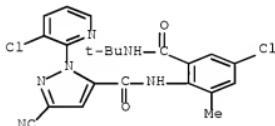
RN 500007-33-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



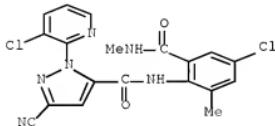
RN 500007-34-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



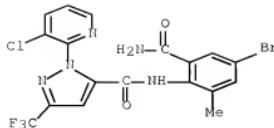
RN 500007-35-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



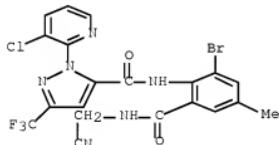
RN 500007-38-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



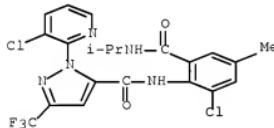
RN 500007-42-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



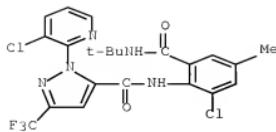
RN 500007-45-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[(1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

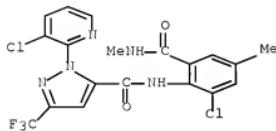


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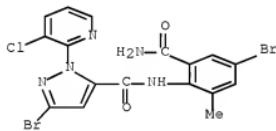
CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-6-[(1-(1,1-dimethylethyl)amino)carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



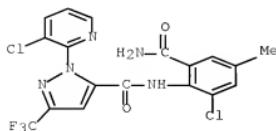
RN 500007-47-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500007-48-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-bromo-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

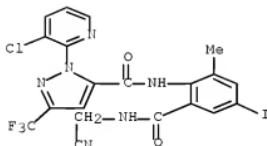


RN 500007-58-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



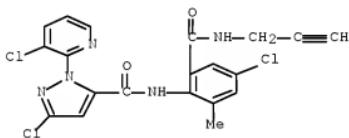
RN 500007-60-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(cyanomethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)-(CA INDEX NAME)



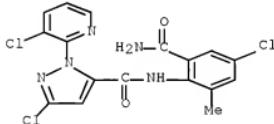
RN 500007-73-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-(CA INDEX NAME)



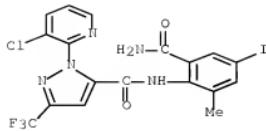
RN 500007-74-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)-(CA INDEX NAME)

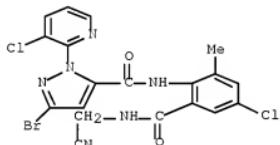


RN 500007-78-3 HCPLUS

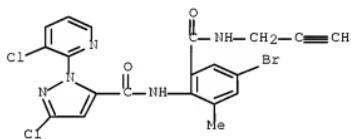
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-iodo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-(CA INDEX NAME)



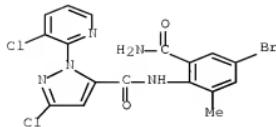
RN 500007-80-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-  
 [(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
 (CA INDEX NAME)



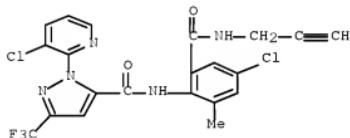
RN 500007-81-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-((2-propyn-1-ylamino)carbonyl)phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



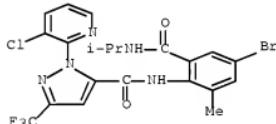
RN 500007-82-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



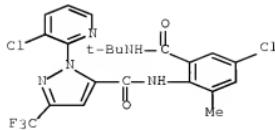
RN 500007-90-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



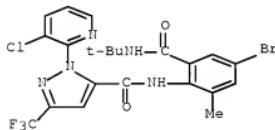
RN 500007-97-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



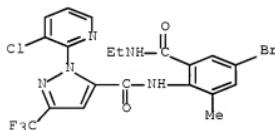
RN 500008-03-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



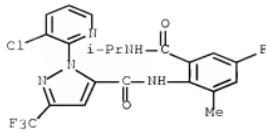
RN 500008-23-1 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-25-3 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

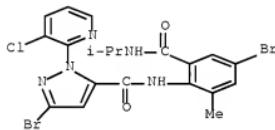


RN 500008-27-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



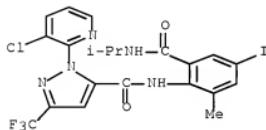
RN 500008-29-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



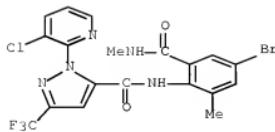
RN 500008-34-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

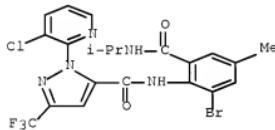


RN 500008-36-6 HCPLUS

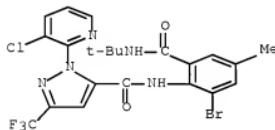
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



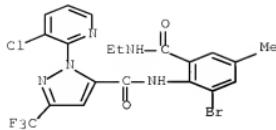
RN 500008-37-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



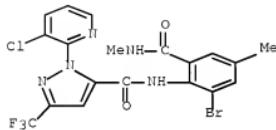
RN 500008-39-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(1,1-dimethylethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



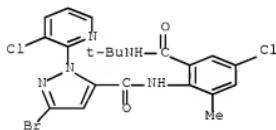
RN 500008-41-3 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(ethylamino)carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



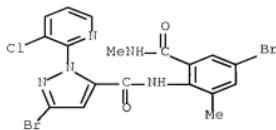
RN 500008-42-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-  
 (trifluoromethyl)- (CA INDEX NAME)



RN 500008-47-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(1,1-  
 dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
 (CA INDEX NAME)

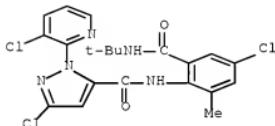


RN 500008-56-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-  
 [(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



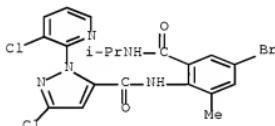
RN 500008-64-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



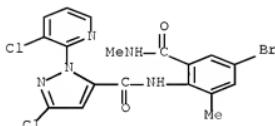
RN 500008-66-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



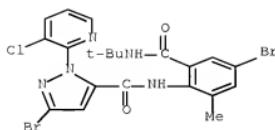
RN 500008-67-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



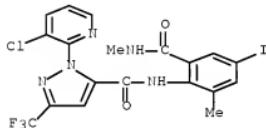
RN 500008-68-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
(CA INDEX NAME)



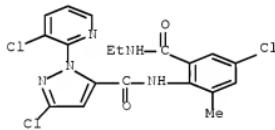
RN 500008-69-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



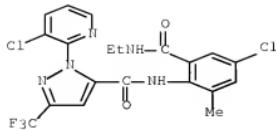
RN 500008-79-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



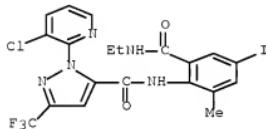
RN 500008-80-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



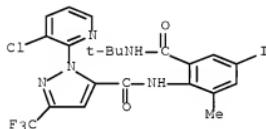
RN 500008-81-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



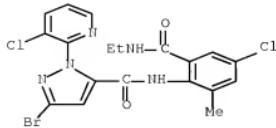
RN 500008-82-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



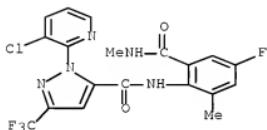
RN 500008-84-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



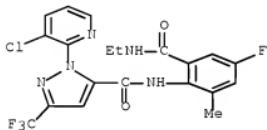
RN 500008-85-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



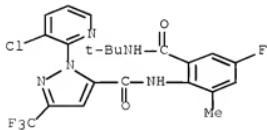
RN 500008-86-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



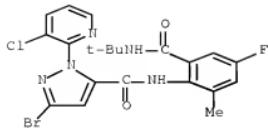
RN 500008-87-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



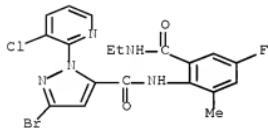
RN 500008-88-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl)- (CA INDEX NAME)



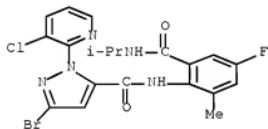
RN 500008-89-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-(ethylamino)carbonyl]-4-fluoro-6-methylphenyl- (CA INDEX NAME)



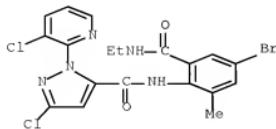
RN 500008-90-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl- (CA INDEX NAME)



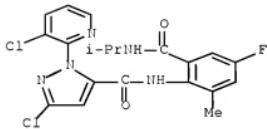
RN 500008-91-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



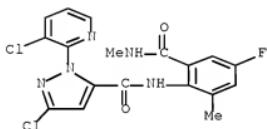
RN 500008-92-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



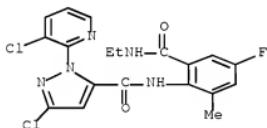
RN 500008-93-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



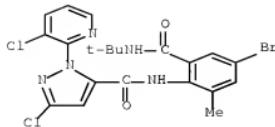
RN 500008-94-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)

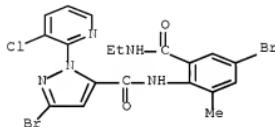


RN 500008-95-7 HCPLUS

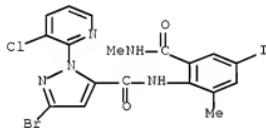
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



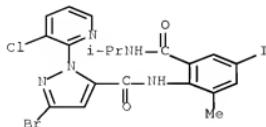
RN 500009-00-7 HCPLUS  
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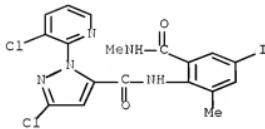
RN 500009-01-8 HCPLUS  
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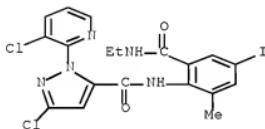
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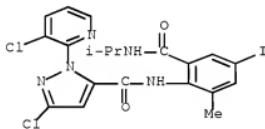
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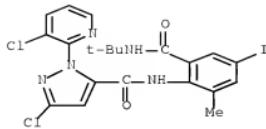
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 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



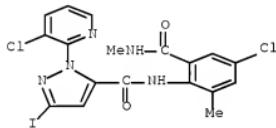
RN 500009-07-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



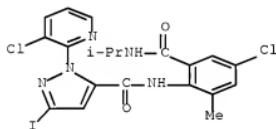
RN 500009-08-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



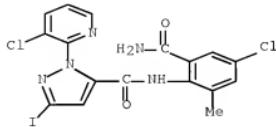
RN 500009-09-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



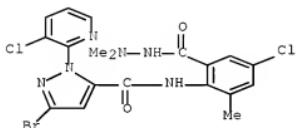
RN 500009-10-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



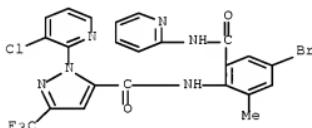
RN 500009-11-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



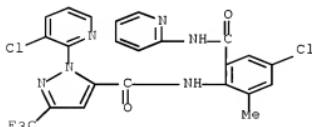
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 CN Benzoic acid, 2-[[3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]carbonyl]amino-5-chloro-3-methyl-, 2,2-dimethylhydrazide (CA INDEX NAME)



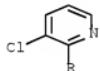
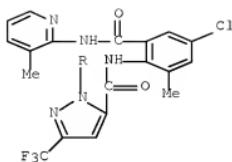
RN 500009-39-2 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500009-44-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

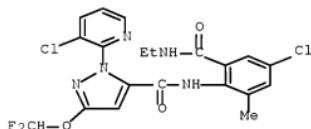


RN 500009-45-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(3-methyl-2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



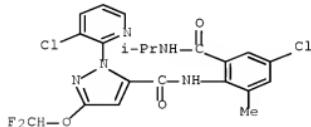
RN 500009-55-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



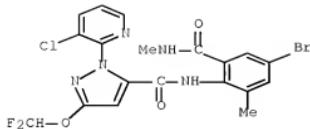
RN 500009-56-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



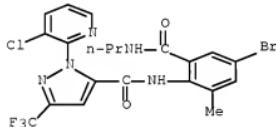
RN 500009-57-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



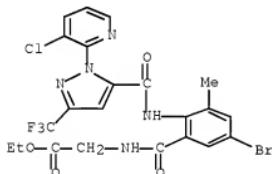
RN 500009-88-1 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(propylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



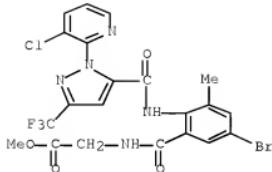
RN 500009-92-7 HCAPLUS

CN Glycine, N-[5-bromo-2-[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, ethyl ester (CA INDEX NAME)



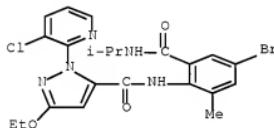
RN 500009-95-0 HCAPLUS

CN Glycine, N-[5-bromo-2-[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, methyl ester (CA INDEX NAME)



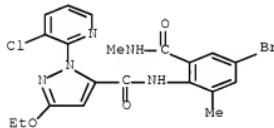
BN 500010-02-6 HCAPLUS

RA 350-02-11  
CN 1H-Pyrazoles-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



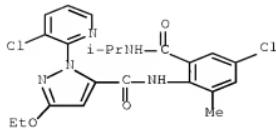
RN 500010-03-7 HCAPLUS

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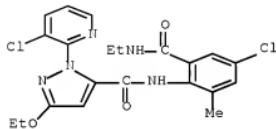


RN 500010-04-8 HCAPLUS

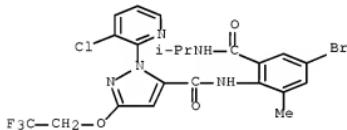
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



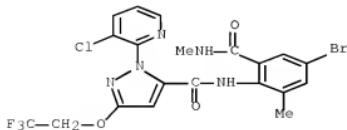
RN 500010-05-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



RN 500010-06-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

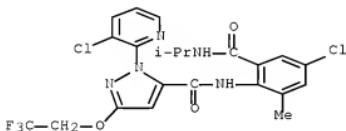


RN 500010-07-1 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



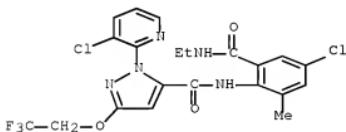
RN 500010-08-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



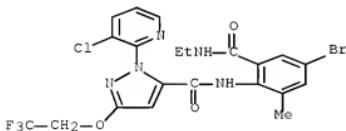
RN 500010-09-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



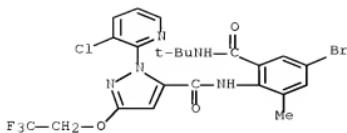
RN 500010-11-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



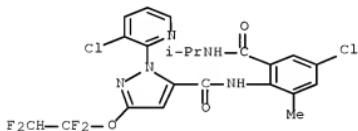
RN 500010-12-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



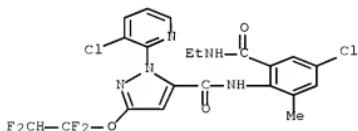
RN 500010-16-2 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



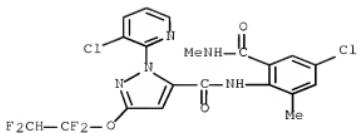
RN 500010-17-3 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



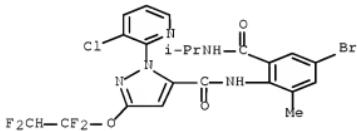
RN 500010-18-4 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



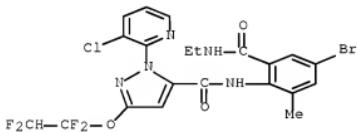
RN 500010-19-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-(methylamino)carbonyl)phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



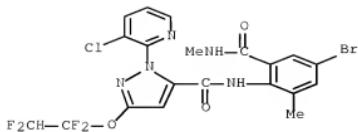
RN 500010-20-8 HCPLUS

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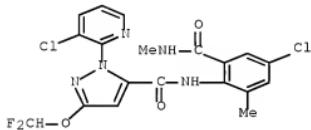


RN 500010-21-9 HCPLUS

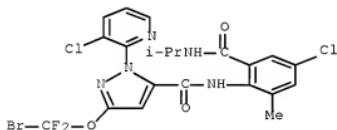
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



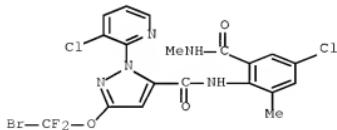
RN 500010-43-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



RN 500010-44-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

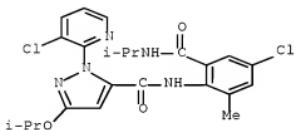


RN 500010-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



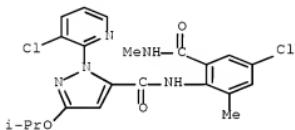
RN 500010-63-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1-methylethoxy)- (CA INDEX NAME)



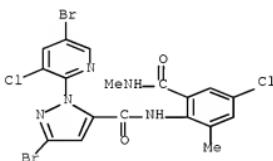
RN 500010-64-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1-methylethoxy)- (CA INDEX NAME)



RN 500011-53-0 HCPLUS

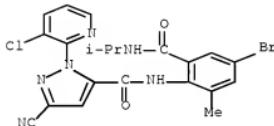
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(5-bromo-3-chloro-2-pyridinyl)-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



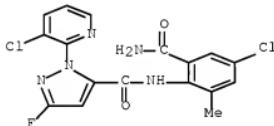
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 500011-68-7 500011-75-7 500011-77-8  
 500011-79-0 503163-58-4

RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (anthranilamide compds. as pesticides for plant propagation material)

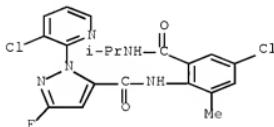
RN 500007-19-2 HCPLUS  
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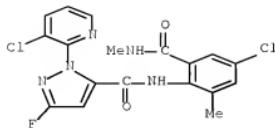
RN 500011-32-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



RN 500011-33-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)

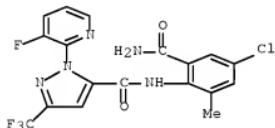


RN 500011-35-8 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



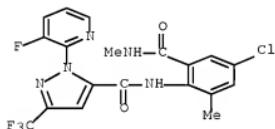
RN 500011-65-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



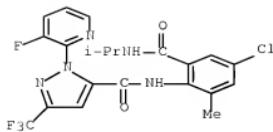
RN 500011-66-5 HCPLUS

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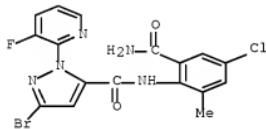


RN 500011-68-7 HCPLUS

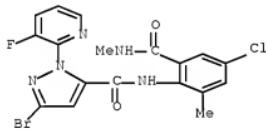
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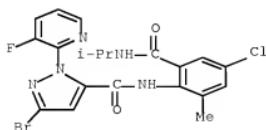
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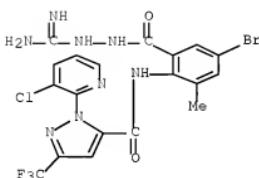
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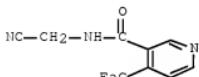
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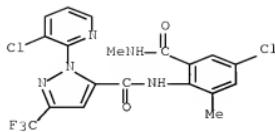
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CN Benzoic acid, 5-bromo-2-[(1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl)carbonyl]amino]-3-methyl-, 2-(aminoiminomethyl)hydrazide (CA INDEX NAME)



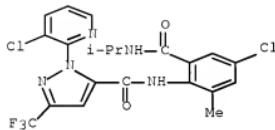
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(in pesticidal compns. for plant propagation material containing anthranilamides)  
RN 158062-67-0 HCAPLUS  
CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



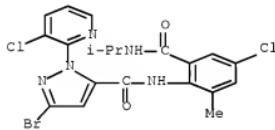
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 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
     (preparation of anthranilamide compds. as pesticides for plant propagation material)  
 RN 438450-41-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



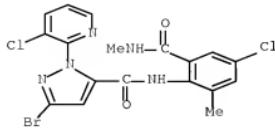
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RN 500008-44-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

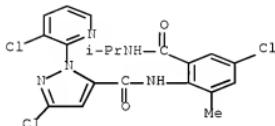


RN 500008-45-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



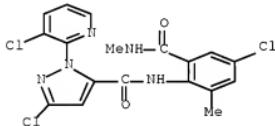
RN 500008-60-6 HCPLUS

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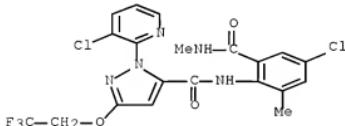
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RN 500010-10-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 33 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2003:154155 HCPLUS Full-text

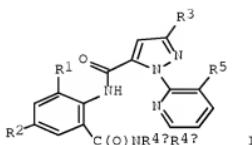
DOCUMENT NUMBER: 138:200332  
 TITLE: Arthropodicidal anthranilamides  
 INVENTOR(S): Lahm, George Philip; Selby, Thomas Paul; Stevenson, Thomas Martin  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 82 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003015519	A1	20030227	WO 2002-US25615	20020813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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EG 23419	A	20050704	EG 2002-893	20020810
TW 225774	B	20050101	TW 2002-91118100	20020812
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EP 1416797	A1	20040512	EP 2002-752811	20020813
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JP 2004538328	T	20041224	JP 2003-520290	20020813
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ZA 2004000033	A	20050803	ZA 2004-33	20020813
ZA 2004000034	A	20050803	ZA 2004-34	20020813
CN 1678192	A	20051005	CN 2002-815924	20020813
RU 2283840	C2	20060920	RU 2004-107505	20020813
HU 2006000675	A2	20070129	HU 2006-675	20020813
EP 1944304	A1	20080716	EP 2008-6481	20020813
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ZA 2003009911	A	20050311	ZA 2003-9911	20031222
US 20040198984	A1	20041007	US 2004-483168	20040107
US 7232836	B2	20070619		
IN 2004MN00015	A	20061222	IN 2004-MN15	20040108
MX 2004PA01320	A	20040520	MX 2004-PA1320	20040211
JP 2005041880	A	20050217	JP 2004-258923	20040906
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		US 2001-341894P	P	20011219
		US 2002-369659P	P	20020402
		EP 2002-750482	A3	20020813
		JP 2003-520290	A3	20020813

WO 2002-US25615	W 20020813
US 2004-483168	A3 20040107
IN 2004-MN15	A3 20040108

OTHER SOURCE(S) :  
GI

MAPAT 138:200332



AB Anthranilamides I (Markush included), their N-oxides and agriculturally suitable salts are prepared as arthropodicides for controlling invertebrate pests. Arthropodicidal compns. containing anthranilamides I may further include addnl. biol. active compds. or agents selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, *Bacillus thuringiensis* sp. aizawai, *B. thuringiensis* sp. kurstaki, *B. thuringiensis* delta endotoxin, baculoviruses, and entomopathogenic bacteria, viruses and fungi.

ICM A01N043-56

ICS C07D401-04; C07D413-14

CC 5-4 (Agrochemical Bioregulators)

Section cross-reference(s) : 28

IT Insecticides

(carbamates; in arthropodicidal compns. containing anthranilamide)

IT Acaricides

*Bacillus thuringiensis* aizawai*Bacillus thuringiensis* kurstaki

Baculoviridae

GABA antagonists

Insecticides

Nematocides

Sodium channel blockers

(in arthropodicidal compns. containing anthranilamide)

IT Insecticides

(neonicotinoid; in arthropodicidal compns. containing anthranilamide)

500007-97-6	500008-03-7	500008-04-8	500008-05-9	
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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (arthropodicidal anthranilamide)

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 Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3,  
 Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3,  
 Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2,  
 Phorate 333-41-5, Diazinon 510-15-6, Chlorobenzilate 732-11-6,  
 Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2,  
 Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8,  
 Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos  
 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6,  
 Methanidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos  
 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6, Fenbutatin  
 oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos 22248-79-9,  
 Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl  
 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz  
 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8,  
 Fenpropothrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8,  
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 Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin  
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 Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron  
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 116714-46-6, Novaluron 119791-41-2, Emamectin 120068-37-3, Fipronil  
 120928-09-8, Fenazaquin 121451-02-3, Noviflumuron 122453-73-0,  
 Chlorfenapyr 123312-89-0, Pymetrozine 134098-61-6, Fenpyroximate

135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 143807-66-3,  
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 153719-23-4, Thiamethoxam 158062-67-0, Flonicamid 161050-58-4,  
 Methoxyfenozide 168316-95-8, Spinosad 170015-32-4, Flufenirim  
 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole  
 210880-92-5, Clothianidin 283594-90-1, Spiromesifen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(in arthropodicidal compns. containing anthranilamide)

IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl  
 1-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500011-91-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

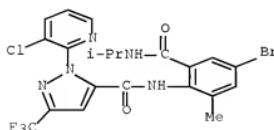
(preparation of arthropodicidal anthranilamide)

IT 500010-10-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of arthropodicidal anthranilamide)

IT 500007-97-6 500008-03-7 500008-23-1  
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 (Biological study); USES (Uses)

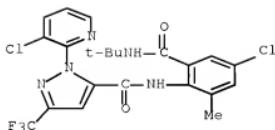
(arthropodicidal anthranilamide)

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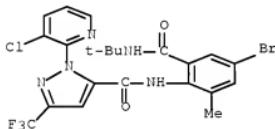
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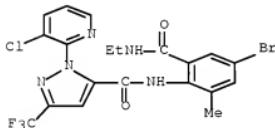
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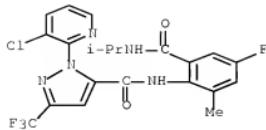
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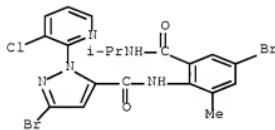
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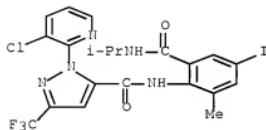
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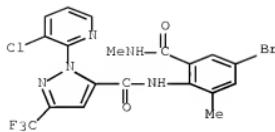
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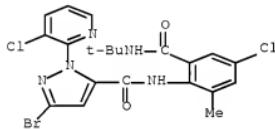


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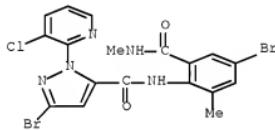
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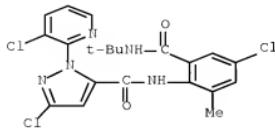
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 (CA INDEX NAME)



RN 500008-56-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-  
 (CA INDEX NAME)

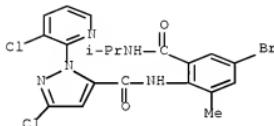


RN 500008-64-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-  
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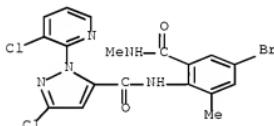
RN 500008-66-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



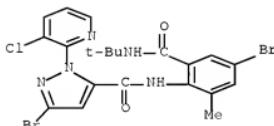
RN 500008-67-3 HCPLUS

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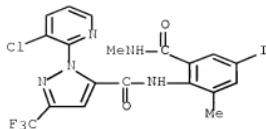
RN 500008-68-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



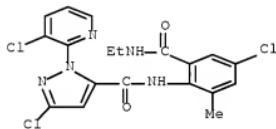
RN 500008-69-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



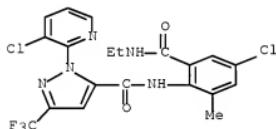
RN 500008-79-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



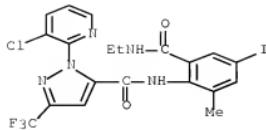
RN 500008-80-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

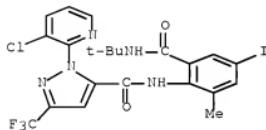


RN 500008-81-1 HCPLUS

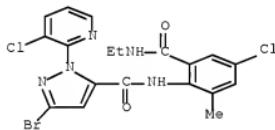
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



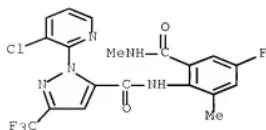
RN 500008-82-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-84-4 HCPLUS  
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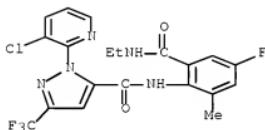


RN 500008-85-5 HCPLUS  
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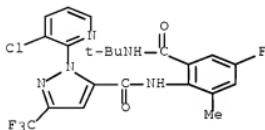
RN 500008-86-6 HCPLUS

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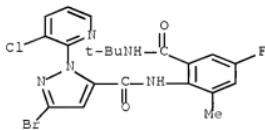
RN 500008-87-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



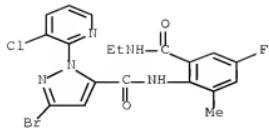
RN 500008-88-8 HCPLUS

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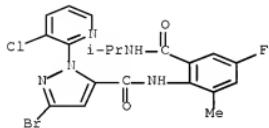


RN 500008-89-9 HCPLUS

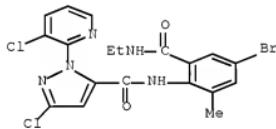
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



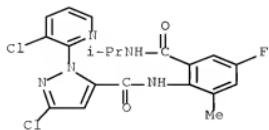
RN 500008-90-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



RN 500008-91-3 HCPLUS  
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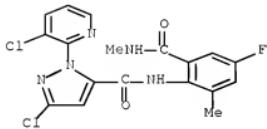


RN 500008-92-4 HCPLUS  
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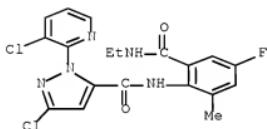
RN 500008-93-5 HCPLUS

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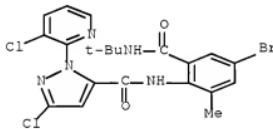
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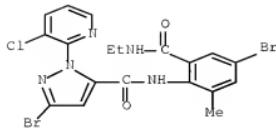
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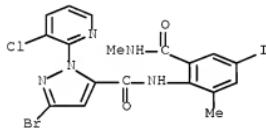


RN 500009-00-7 HCPLUS

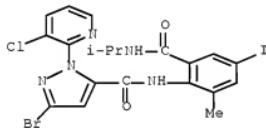
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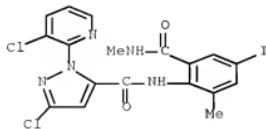
RN 500009-01-8 HCPLUS  
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RN 500009-03-0 HCPLUS  
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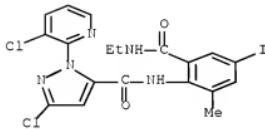


RN 500009-05-2 HCPLUS  
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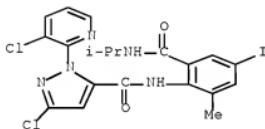
RN 500009-06-3 HCPLUS

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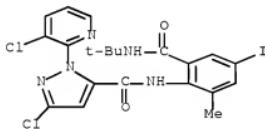
RN 500009-07-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



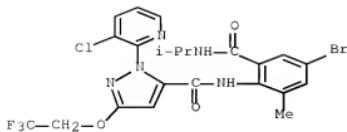
RN 500009-08-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)

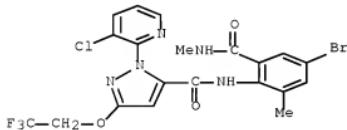


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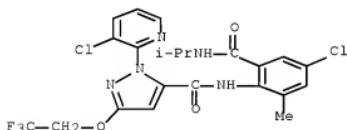
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

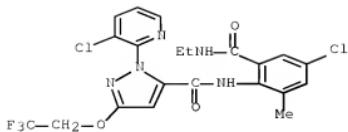


RN 500010-07-1 HCPLUS  
 CN 1*H*-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

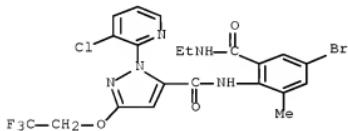


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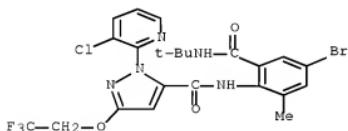




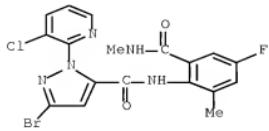
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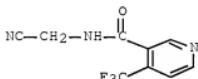


IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(in arthropodicidal compns. containing anthranilamide)

RN 158062-67-0 HCPLUS

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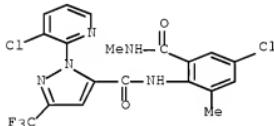
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500008-00-4P 500008-44-6P 500008-45-7P  
500008-60-6P 500008-62-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arthropodicidal anthranilamide)

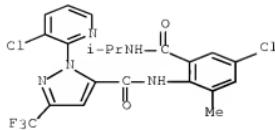
RN 438450-41-0 HCPLUS

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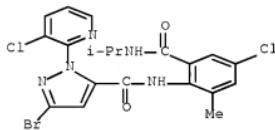
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CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



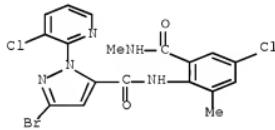
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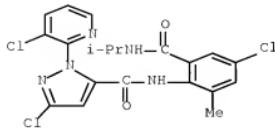
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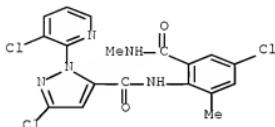
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RN 500008-62-8 HCPLUS

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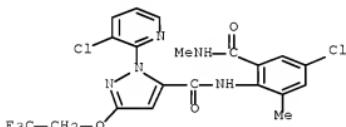


IT 500010-10-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of arthropodicidal anthranilamide)

RN 500010-10-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-  
[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-  
trifluoroethoxy)- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 34 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:154154 HCPLUS [Full-text](#)

DOCUMENT NUMBER: 138:200331

TITLE: Method for controlling particular insect pests by applying anthranilamide compounds

INVENTOR(S): Lahm, George Philip; McCann, Stephen Frederick; Patel, Kanu Maganbhai; Selby, Thomas Paul; Stevenson, Thomas Martin

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

SOURCE: PCT Int. Appl., 150 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

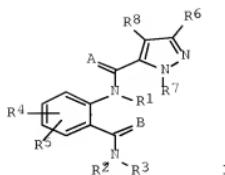
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EP 1944304	A1	20080716	EP 2008-6481	20020813
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, SK, TR				
ZA 2003009911	A	20050311	ZA 2003-9911	20031222
US 20050075372	A1	20050407	US 2004-483115	20040107
IN 2004MN00013	A	20070309	IN 2004-MN13	20040108
MX 2004PA01322	A	20040520	MX 2004-PA1322	20040211
KR 847202	B1	20080717	KR 2004-702163	20040213
JP 2005041880	A	20050217	JP 2004-258923	20040906
IN 2005MN00438	A	20051202	IN 2005-MN438	20050517
PRIORITY APPLN. INFO.:		US 2001-311919P	P	20010813
		US 2001-324173P	P	20010921
		US 2001-324128P	P	20010921
		US 2001-341894P	P	20011219
		US 2002-369659P	P	20020402
		US 2002-369661P	P	20020402
		EP 2002-750482	A3	20020813
		JP 2003-520290	A3	20020813
		WO 2002-US25613	W	20020813
		IN 2004-MN13	A3	20040108

OTHER SOURCE(S):

MARPAT 138:200331

GI



- AB** Anthranilamide compds. I (Markush included), N-oxides or an agriculturally suitable salts thereof are prepared as insecticides for controlling lepidopteran, homopteran, hemipteran, thysanopteran and coleopteran insect pests. Insecticidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics.
- ICM** A01N043-56  
**ICS** C07D401-04; C07D231-16; C07D231-14; C07D413-04
- CC** 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 28
- IT** Insecticides  
 (anthranilamide compds. as)
- IT** Insecticides  
 (carbamate; in insecticidal compns. containing anthranilamide compds.)
- IT** Insecticides  
 (neonicotinoid; in insecticidal compns. containing anthranilamide compds.)
- |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
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| 500005-68-5 | 500005-69-6 | 500005-70-9 | 500005-71-0 | 500005-72-1 |
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| 500005-78-7 | 500005-79-8 | 500005-80-1 | 500005-81-2 | 500005-82-3 |
| 500005-83-4 | 500005-84-5 | 500005-85-6 | 500005-86-7 | 500005-87-8 |
| 500005-88-9 | 500005-89-0 | 500005-90-3 | 500005-91-4 | 500005-92-5 |
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| 500005-98-1 | 500005-99-2 | 500006-00-8 | 500006-01-9 | 500006-02-0 |
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)				
(anthranilamide compds. as insecticides)				
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	500008-82-2	500008-84-4	500008-85-5	
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 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (anthranilamide compds. as insecticides)

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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (anthranilamide compds. as insecticides)

IT 52-68-6, Trichlorfon 56-38-2, Parathion 57-13-6D, Urea, derivs.  
 60-51-5, Dimethoate 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0,  
 Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2,  
 Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0,  
 Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6,  
 Chlorobenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8,  
 Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0,  
 Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2,  
 Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos

10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9,  
 Terbufos 13121-70-5, Cyhexatin 13171-21-6, Phosphamidon 13356-08-6,  
 Fenbutatin oxide 16752-77-5, Methomyl 22224-92-6, Fenamiphos  
 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0,  
 Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1,  
 Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8,  
 Fenpropathrin 40596-69-8, Methoprene 41198-08-7, Profenofos  
 51630-58-1, Fenvalerate 52207-48-4, Thiosulfate-sodium 52315-07-8,  
 Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin  
 58842-20-9, Nithiazine 59669-26-0, Thiadicarb 62850-32-2, Fenothiocarb  
 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine  
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 Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin  
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 Abamectin 72490-01-8, Fenoxy carb 73989-17-0, Avermectin 78587-05-0,  
 Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron  
 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 84466-05-7,  
 Amidoftlumet 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1,  
 Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron  
 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9,  
 Thiacloroprid 112226-61-6, Halofenozone 112410-23-8, Tebufenozide  
 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2,  
 Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 121451-02-3,  
 Noviflumuron 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine  
 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3,  
 Imidacloprid 143807-66-3, Chromafenozide 149877-41-8, Bifenazate  
 153233-91-1, Etoxazole 153719-23-4, Thiamethoxan 158062-67-0,  
 Flonicamid 161050-58-4, Methoxyfenozide 168316-95-8, Spinosad  
 170015-32-4, Flufenirim 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl  
 181587-01-9, Ethiprole 210880-92-5, Clothianidin 283594-90-1,  
 Spiromesifen

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(in insecticidal compns. containing anthranilamide compds.)

IT 362637-53-4P 362637-70-5P 362638-30-0P 362639-62-1P  
 438450-11-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl  
 1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500008-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of anthranilamide compds. as insecticides)

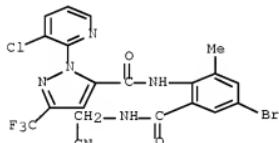
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(anthranilamide compds. as insecticides)

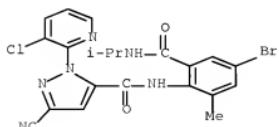
RN 500007-01-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-(CA INDEX NAME)



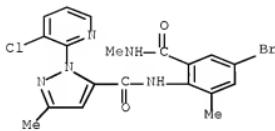
RN 500007-19-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano-(CA INDEX NAME)



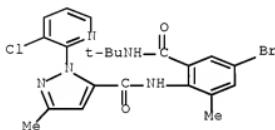
RN 500007-27-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



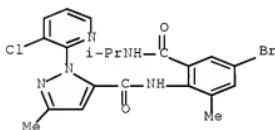
RN 500007-28-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)aminocarbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



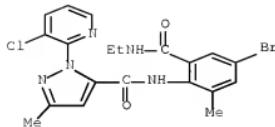
RN 500007-29-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



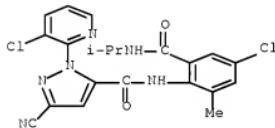
RN 500007-30-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-methyl- (CA INDEX NAME)



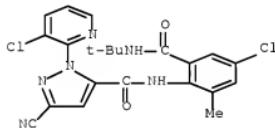
RN 500007-33-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



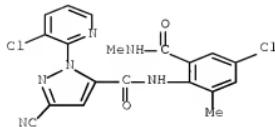
RN 500007-34-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)

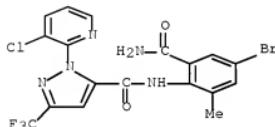


RN 500007-35-2 HCPLUS

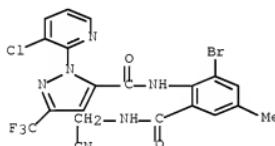
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-cyano- (CA INDEX NAME)



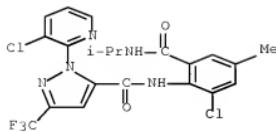
RN 500007-38-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500007-42-1 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(cyanomethyl)amino]carbonyl]-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

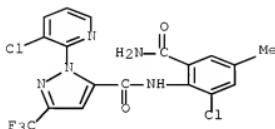


RN 500007-45-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-chloro-4-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



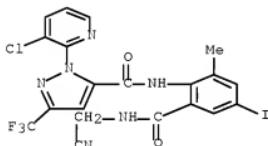
RN 500007-58-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-6-chloro-4-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



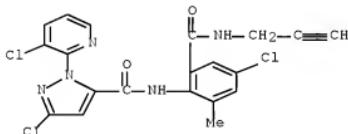
RN 500007-60-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(cyanomethyl)amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



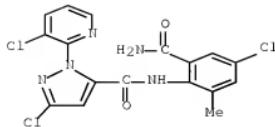
RN 500007-73-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

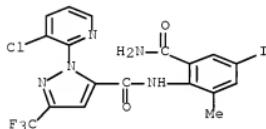


RN 500007-74-9 HCPLUS

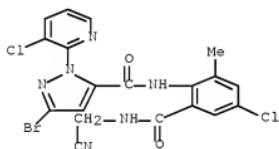
CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



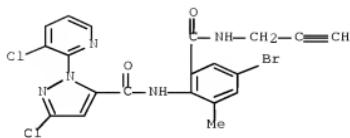
RN 500007-78-3 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-iodo-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



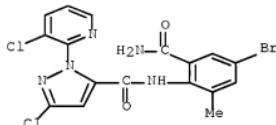
RN 500007-80-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(cyanomethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



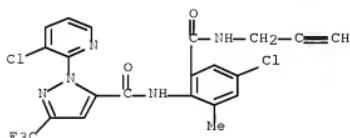
RN 500007-81-8 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



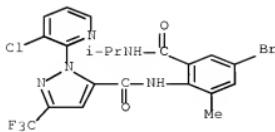
RN 500007-82-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-bromo-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500007-90-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-propyn-1-ylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

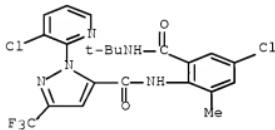


RN 500007-97-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



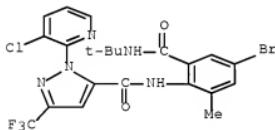
RN 500008-03-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl)-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



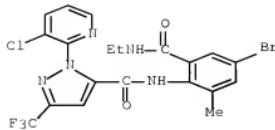
RN 500008-23-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl)-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)

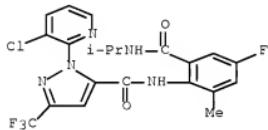


RN 500008-25-3 HCPLUS

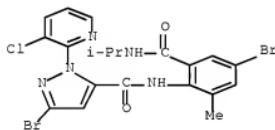
CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl)-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



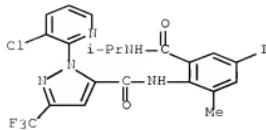
RN 500008-27-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



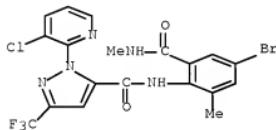
RN 500008-29-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



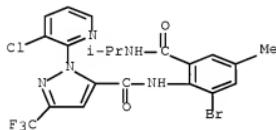
RN 500008-34-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



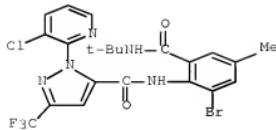
RN 500008-36-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



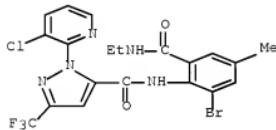
RN 500008-37-7 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-4-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl)-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



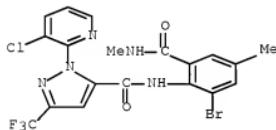
RN 500008-39-9 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-bromo-6-[(1,1-dimethylethyl)amino]carbonyl]-4-methylphenyl)-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



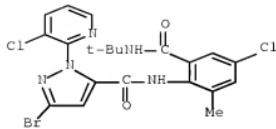
RN 500008-41-3 HCPLUS  
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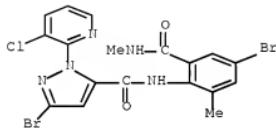
RN 500008-42-4 HCPLUS  
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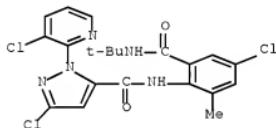
RN 500008-47-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



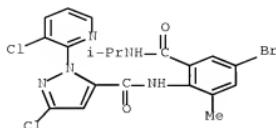
RN 500008-56-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500008-64-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

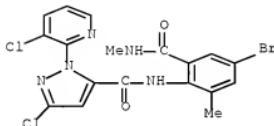


RN 500008-66-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



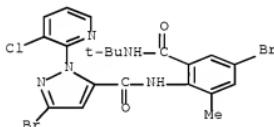
RN 500008-67-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



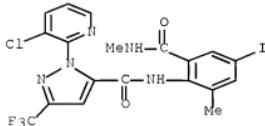
RN 500008-68-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



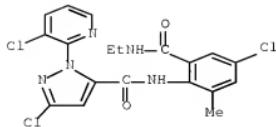
RN 500008-69-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



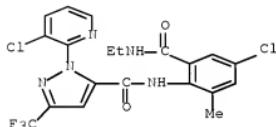
RN 500008-79-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



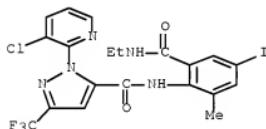
RN 500008-80-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



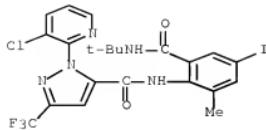
RN 500008-81-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

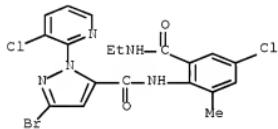


RN 500008-82-2 HCPLUS

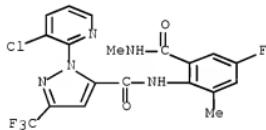
CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[[1,1-dimethylethyl]amino]carbonyl]-4-iodo-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



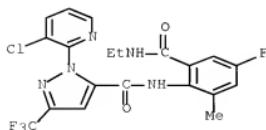
RN 500008-84-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-((ethylamino)carbonyl)-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500008-85-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-(trifluoromethyl)- (CA INDEX NAME)

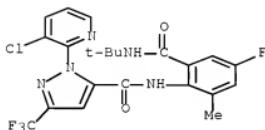


RN 500008-86-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-((ethylamino)carbonyl)-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)- (CA INDEX NAME)



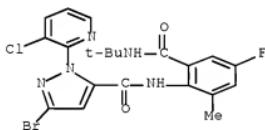
RN 500008-87-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl]-3-(trifluoromethyl)-(CA INDEX NAME)



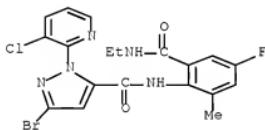
RN 500008-88-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-fluoro-6-methylphenyl-(CA INDEX NAME)



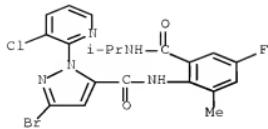
RN 500008-89-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl-(CA INDEX NAME)

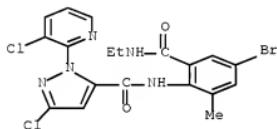


RN 500008-90-2 HCPLUS

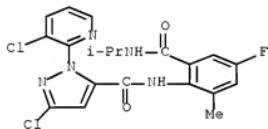
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl-(CA INDEX NAME)



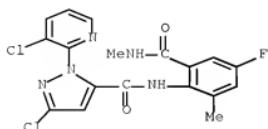
RN 500008-91-3 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-((ethylamino)carbonyl)-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500008-92-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)

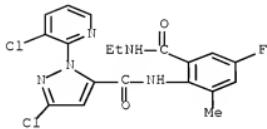


RN 500008-93-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-fluoro-2-methyl-6-((methylamino)carbonyl)phenyl]- (CA INDEX NAME)



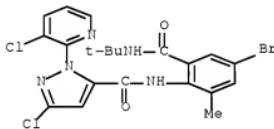
RN 500008-94-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-fluoro-6-methylphenyl]- (CA INDEX NAME)



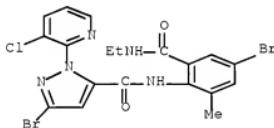
RN 500008-95-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-3-chloro-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



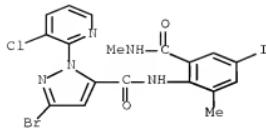
RN 500009-00-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

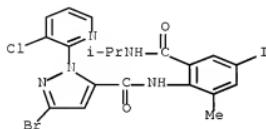


RN 500009-01-8 HCPLUS

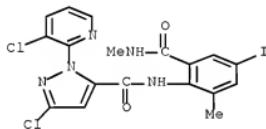
CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



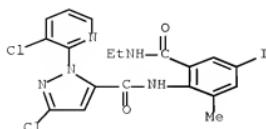
RN 500009-03-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]- (CA INDEX NAME)



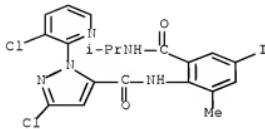
RN 500009-05-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(methylamino)carbonyl]phenyl]- (CA INDEX NAME)



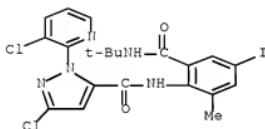
RN 500009-06-3 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(ethylamino)carbonyl]-4-iodo-6-methylphenyl]- (CA INDEX NAME)



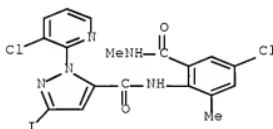
RN 500009-07-4 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[4-iodo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl- (CA INDEX NAME)



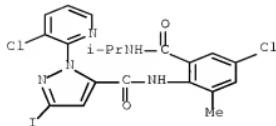
RN 500009-08-5 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-chloro-1-(3-chloro-2-pyridinyl)-N-[2-[(1,1-dimethylethyl)amino]carbonyl]-4-iodo-6-methylphenyl- (CA INDEX NAME)



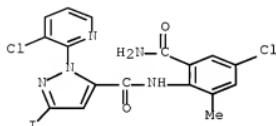
RN 500009-09-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



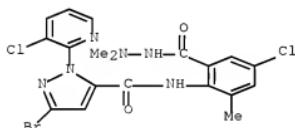
RN 500009-10-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



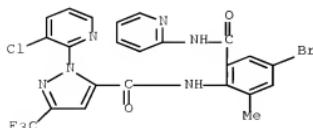
RN 500009-11-0 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-iodo- (CA INDEX NAME)



RN 500009-35-8 HCPLUS  
 CN Benzoic acid, 2-[[3-bromo-1-(3-chloro-2-pyridinyl)-1H-pyrazol-5-yl]carbonyl]amino]-5-chloro-3-methyl-, 2,2-dimethylhydrazide (CA INDEX NAME)

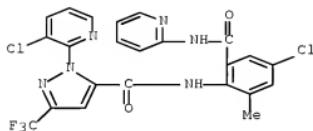


RN 500009-39-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



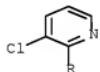
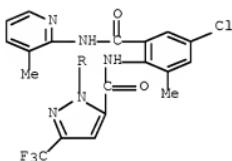
RN 500009-44-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



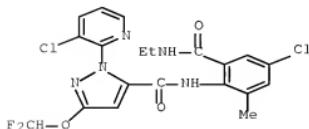
RN 500009-45-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(3-methyl-2-pyridinylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



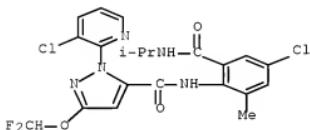
RN 500009-55-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



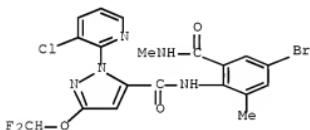
RN 500009-56-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



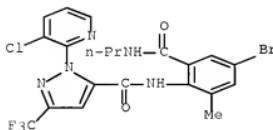
RN 500009-57-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)- (CA INDEX NAME)



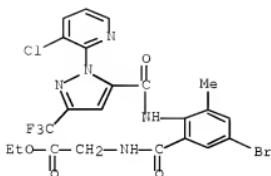
RN 500009-88-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(propylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



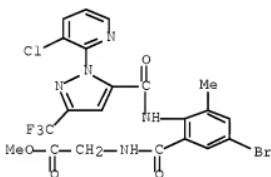
RN 500009-92-7 HCPLUS

CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, ethyl ester (CA INDEX NAME)



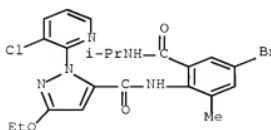
RN 500009-95-0 HCAPLUS

CN Glycine, N-[5-bromo-2-[[[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]carbonyl]amino]-3-methylbenzoyl]-, methyl ester (CA INDEX NAME)



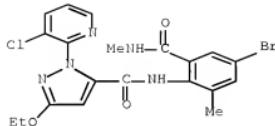
RN 500010-02-6 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



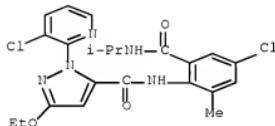
RN 500010-03-7 HCAPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



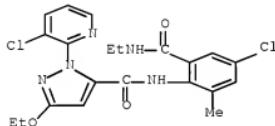
RN 500010-04-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



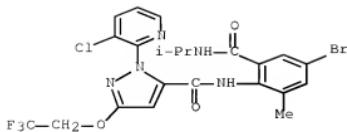
RN 500010-05-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-ethoxy- (CA INDEX NAME)



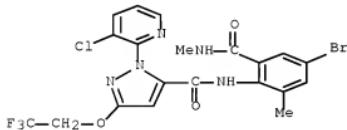
RN 500010-06-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



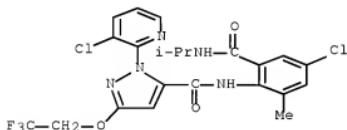
RN 500010-07-1 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



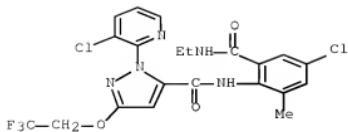
RN 500010-08-2 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

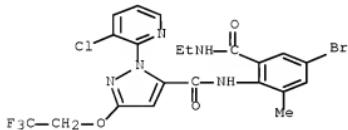


RN 500010-09-3 HCPLUS

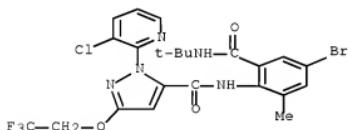
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



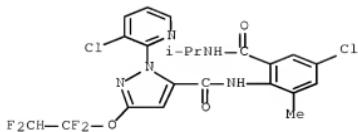
RN 500010-11-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 500010-12-8 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-[(1,1-dimethylethyl)amino]carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

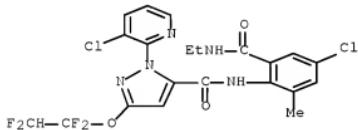


RN 500010-16-2 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



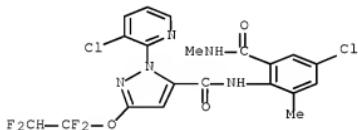
RN 500010-17-3 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-[(ethylamino)carbonyl]-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



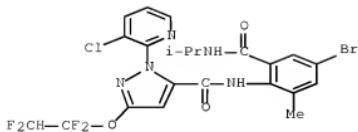
RN 500010-18-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



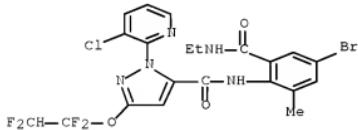
RN 500010-19-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)- (CA INDEX NAME)



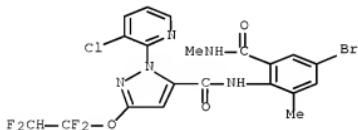
RN 500010-20-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-((ethylamino)carbonyl)-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)-(CA INDEX NAME)



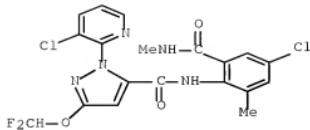
RN 500010-21-9 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-bromo-2-methyl-6-((methylamino)carbonyl)phenyl]-1-(3-chloro-2-pyridinyl)-3-(1,1,2,2-tetrafluoroethoxy)-(CA INDEX NAME)

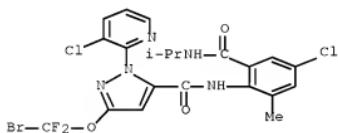


RN 500010-43-5 HCPLUS

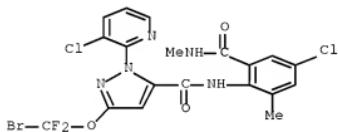
CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-((methylamino)carbonyl)phenyl]-1-(3-chloro-2-pyridinyl)-3-(difluoromethoxy)-(CA INDEX NAME)



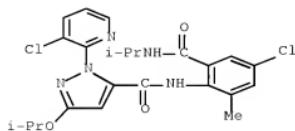
RN 500010-44-6 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500010-45-7 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-(bromodifluoromethoxy)-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

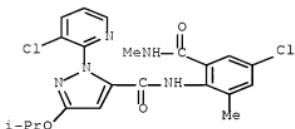


RN 500010-63-9 HCPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1-methylethoxy)- (CA INDEX NAME)



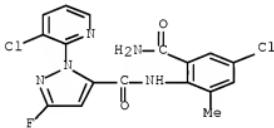
RN 500010-64-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(1-methylethoxy)-(CA INDEX NAME)



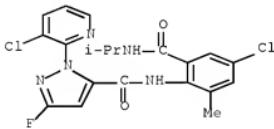
RN 500011-32-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



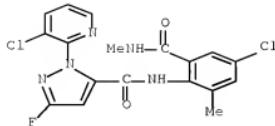
RN 500011-33-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



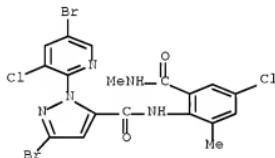
RN 500011-35-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-fluoro- (CA INDEX NAME)



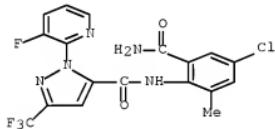
RN 500011-53-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-bromo-1-(5-bromo-3-chloro-2-pyridinyl)-N-[4-chloro-2-methyl-6-(methylamino)carbonyl]phenyl- (CA INDEX NAME)



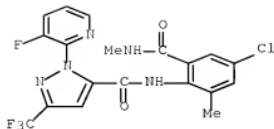
RN 500011-65-4 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[2-(aminocarbonyl)-4-chloro-6-methylphenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



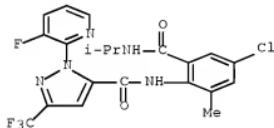
RN 500011-66-5 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



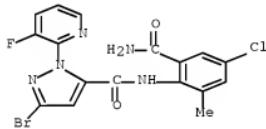
RN 500011-68-7 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



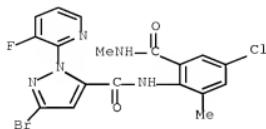
RN 500011-76-7 HCPLUS

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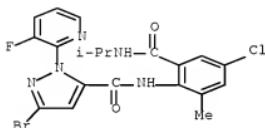


RN 500011-77-8 HCPLUS

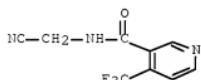
CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (CA INDEX NAME)



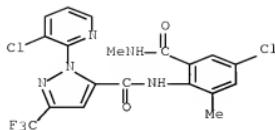
RN 500011-79-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-fluoro-2-pyridinyl)- (CA INDEX NAME)



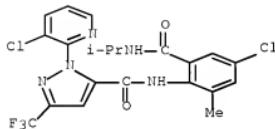
IT 158062-67-0, Flonicamid  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (in insecticidal compns. containing anthranilamide compds.)  
 RN 158062-67-0 HCAPLUS  
 CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)



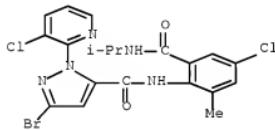
IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
 500006-00-4P 500008-44-6P 500008-45-7P  
 500008-60-6P 500008-62-8P 500010-10-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of anthranilamide compds. as insecticides)  
 RN 438450-41-0 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



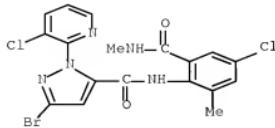
RN 500008-00-4 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 500008-44-6 HCAPLUS  
 CN 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)

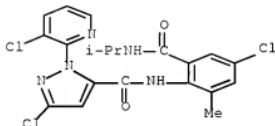


RN 500008-45-7 HCAPLUS  
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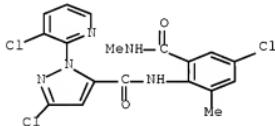
RN 500008-60-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(1-methylethyl)amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



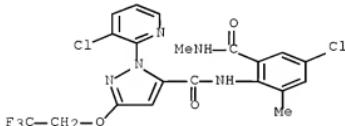
RN 500008-62-8 HCPLUS

CN 1H-Pyrazole-5-carboxamide, 3-chloro-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)- (CA INDEX NAME)



RN 500010-10-6 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



REFERENCE COUNT:

4

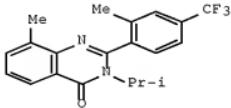
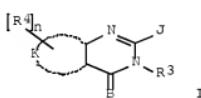
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 35 OF 35 HCPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2002:465981 HCPLUS Full-text

DOCUMENT NUMBER: 137:47212  
 TITLE: Preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests  
 INVENTOR(S): Annis, Gary David; Myers, Brian James; Selby, Thomas Paul; Stevenson, Thomas Martin; Zimmerman, William Thomas  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 180 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002048115	A2	20020620	WO 2001-US46629	20011203
WO 2002048115	A3	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002027243	A5	20020624	AU 2002-27243	20011203
EP 1341772	A2	20030910	EP 2001-996125	20011203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004515543	T	20040527	JP 2002-549646	20011203
US 20040110777	A1	20040610	US 2003-433368	20031014
PRIORITY APPLN. INFO.:			US 2000-254614P	P 20001211
			WO 2001-US46629	W 20011203

OTHER SOURCE(S): MARPAT 137:47212  
 GI



AB The title compds. [I; B = O, S; J = (un)substituted Ph, naphthyl, 5-6 membered heteroarom. ring, etc.; K, together with the two contiguous linking carbon atoms = a fused Ph, or fused pyridinyl, each optionally substituted with 1-4 R4; R3 = G, alkyl, cycloalkyl, etc.; G = (un)substituted Ph, 5-6 membered heteroarom. ring, etc.; R4 = H, alkyl, haloalkyl, etc.; n = 1-4], useful for controlling invertebrate pests, were prepared. E.g. a multi-step synthesis of II which provided very good level of plant protection (20% or less feeding

damage) in in test on diamondback moth (*Plutella xylostella*)/radish plant, was given. This invention also pertains to certain compds. I and compns. for controlling invertebrate pests comprising a biol. effective amount of a compound I and at least one addnl. component selected from the group consisting of surfactants, solid diluents and liquid diluents.

ICM C07D239-00

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

IT 52-68-6, Trichlorfon 56-38-2, Parathion 60-51-5, Dimethoate 72-43-5, Methoxychlor 83-79-4, Rotenone 86-50-0, Azinphos-methyl 108-62-3, Metaldehyde 115-29-7, Endosulfan 115-32-2, Dicofol 116-06-3, Aldicarb 121-75-5, Malathion 298-00-0, Parathion-methyl 298-02-2, Phorate 333-41-5, Diazinon 510-15-6, Chlorbenzilate 732-11-6, Phosmet 944-22-9, Fonophos 950-37-8, Methidathion 1563-66-2, Carbofuran 2227-17-0, Dienochlor 2310-17-0, Phosalone 2312-35-8, Propargite 2439-01-2, Chinomethionat 2921-88-2, Chlorpyrifos 5598-13-0, Chlorpyrifos-methyl 6923-22-4, Monocrotophos 10265-92-6, Methamidophos 11141-17-6, Azadirachtin 13071-79-9, Terbufos 1321-70-5, Cyhexatin 13171-21-6, Phoshamidon 13356-08-6, Fenbutatin oxide 16752-77-5, Methylomyl 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinphos 23103-98-2, Pirimicarb 23135-22-0, Oxamyl 25311-71-1, Isofenphos 30560-19-1, Acephate 33089-61-1, Amitraz 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 39515-41-8, Fenpropothrin 40596-69-8, Methoprene 41198-08-7, Profenofos 51630-58-1, Fenvalerate 52207-48-4, Thiosultap-sodium 52315-07-8, Cypermethrin 52645-53-1, Permethrin 52918-63-5, Deltamethrin 58842-20-9, Nithiazine 59669-26-0, Thiodiancarb 63837-33-2, Diofenolan 64628-44-0, Triflumuron 66215-27-8, Cyromazine 66230-04-4, Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin 68359-37-5, Beta-Cyfluthrin 69327-76-0, Buprofezin 70124-77-5, Flucythrinate 71422-67-8, Chlорfluazuron 71751-41-2, Abamectin 72490-01-8, Fenoxycarb 73989-17-0, Avermectin 78587-05-0, Hexythiazox 79538-32-2, Tefluthrin 80060-09-9, Diafenthiuron 82657-04-3, Bifenthhrin 83121-18-0, Teflubenzuron 86479-06-3, Hexaflumuron 91465-08-6 95737-68-1, Pyriproxyfen 96489-71-3, Pyridaben 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 103055-07-8, Lufenuron 111988-49-9, Thiacycloprid 112226-61-6, Halofenoxide 112410-23-8, Tebufenozone 116714-46-6, Novaluron 119168-77-3, Tebufenpyrad 119791-41-2, Emamectin 120068-37-3, Fipronil 120928-09-8, Fenazaquin 122453-73-0, Chlorfenapyr 123312-89-0, Pymetrozine 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138261-41-3, Imidacloprid 143807-66-3, Chromafenozone 153233-91-1, Etoxazole 153719-23-4, Thiamethoxam 158052-67-0, Flonicamid 161050-58-4, Methoxyfenozone 168316-95-8, Spinosad 173584-44-6, Indoxacarb 179101-81-6, Pyridalyl 181587-01-9, Ethiprole 210880-92-5, Clothianidin

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (composition component; preparation of quinazolinones and

pyridopyrimidinones for controlling invertebrate pests and their use in compns. with other biol. active compds.)

IT 20776-67-4P, 2-Amino-3-methyl-5-chlorobenzoic acid 23984-82-9P, 2-Methyl-4-(trifluoromethyl)benzoic acid 62639-14-9P, 2-[Methylthio]methyl-4-(trifluoromethyl)benzenamine 67169-22-6P, 2-Methyl-4-(trifluoromethyl)benzenamine 68289-10-1P, 2-Amino-3-methyl-N-(1-methylethyl)benzamide 362633-61-2P, 2-Methyl-N-[2-methyl-6-[(1-methylethyl)amino]carbonylphenyl]-4-(trifluoromethyl)benzamide 362640-53-7P, 3-Methyl-N-(1-methylethyl)-2-nitrobenzamide 362640-55-9P 362640-56-0P, 2-Methyl-4-(trifluoromethyl)benzonitrile 362640-63-9P, 2-Methyl-4-

(trifluoromethyl)benzoyl chloride 438450-38-5P, 3-Chloro-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]pyridine 438450-39-6P 438450-40-9P, 6-Chloro-2-[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]-8-methyl-4H-3,1-benzoxazin-4-one 438450-41-0P,

N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide 438450-42-1P, 8-Chloro-2-[1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]-4H-3,1-benzoxazin-4-one

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests)

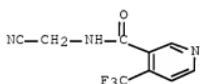
IT 158062-67-0, Flonicamid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(composition component; preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests and their use in compns. with other biol. active compds.)

RN 158062-67-0 HCPLUS

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)- (CA INDEX NAME)

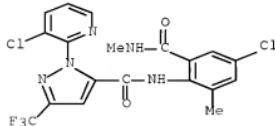


IT 438450-41-0P, N-[4-Chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazole-5-carboxamide  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of quinazolinones and pyridopyrimidinones for controlling invertebrate pests)

RN 438450-41-0 HCPLUS

CN 1H-Pyrazole-5-carboxamide, N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



=> d his nofil

(FILE 'HOME' ENTERED AT 10:09:14 ON 11 SEP 2008)

FILE 'REGISTRY' ENTERED AT 10:09:36 ON 11 SEP 2008

L1 STR  
L\*\*\* DEL 0 S L1  
L2 STR L1  
L3 0 SEA SSS SAM L2  
L4 0 SEA SSS FUL L2  
L5 STR L2  
L6 880008 SEA ABB=ON PLU=ON NC4-C6/ES AND C6/ES  
L7 7436 SEA ABB=ON PLU=ON L6 AND NRS=2 AND NR=3 AND O=5 AND N=1  
L8 1113 SEA ABB=ON PLU=ON C=21 AND L7  
L9 28 SEA ABB=ON PLU=ON C21H26N05/MF  
L10 0 SEA ABB=ON PLU=ON L9 AND L8  
L11 STR L5  
L12 49 SEA SSS SAM L11  
L13 11 SEA SSS SAM L5  
L14 144 SEA SSS FUL L5  
L15 68 SEA ABB=ON PLU=ON L14 AND C=21  
L16 5 SEA ABB=ON PLU=ON L15 AND H=26  
L17 STR  
L18 13 SEA SSS SAM L17  
L19 324 SEA SSS FUL L17  
L20 1 SEA ABB=ON PLU=ON L19 AND L14  
D SCA  
L21 STR  
L22 99757 SEA ABB=ON PLU=ON N2C3/ES AND C6/ES AND NC5/ESS AND NR>2 AND  
NRS>2  
L23 40 SEA SUB=L22 SSS SAM L21  
L24 953 SEA SUB=L22 SSS FUL L21

FILE 'CAPLUS' ENTERED AT 10:24:32 ON 11 SEP 2008

L25 35 SEA ABB=ON PLU=ON (L14 OR L19) AND L24  
E US2007-581447/APPS  
L26 1 SEA ABB=ON PLU=ON US2007-581447/AP  
D SCA

FILE 'HCAPLUS' ENTERED AT 10:25:52 ON 11 SEP 2008

L27 10327 SEA ABB=ON PLU=ON ACARICIDES+PFT/CT  
L28 78251 SEA ABB=ON PLU=ON INSECTICIDES+PFT/CT  
L29 32 SEA ABB=ON PLU=ON L25 AND (L27 OR L28)  
L30 35 SEA ABB=ON PLU=ON L25 OR L29

FILE 'HCAPLUS' ENTERED AT 10:26:39 ON 11 SEP 2008

D QUE L30  
D L30 IBIB ABS HITIND HITSTR TOT

FILE 'REGISTRY' ENTERED AT 10:29:52 ON 11 SEP 2008

L31 0 SEA ABB=ON PLU=ON L14 AND C21H26N05/MF  
L32 68 SEA ABB=ON PLU=ON L14 AND C=21  
L33 0 SEA ABB=ON PLU=ON L14 AND C21 H27N05/MF  
L34 3 SEA ABB=ON PLU=ON L14 AND C21H27N05/MF  
D SCA  
L35 0 SEA ABB=ON PLU=ON L34 AND 2,5-DIMETHYL/CNS  
L36 2 SEA ABB=ON PLU=ON L34 AND 2,5/CNS  
D SCA  
L37 1 SEA ABB=ON PLU=ON L19 AND C9H6F3N3O/MF  
D SCA  
L38 0 SEA ABB=ON PLU=ON L24 AND C18H14BRCL2N5O/MF  
L39 10 SEA ABB=ON PLU=ON L24 AND BR=1 AND CL=2 AND N=5 AND O=1

L40 0 SEA ABB=ON PLU=ON L39 AND NC=1  
L41 4 SEA ABB=ON PLU=ON L24 AND C18H14BRCL2N5O2/MF  
L42 4 SEA ABB=ON PLU=ON L41 AND NC=1  
D SCA  
E 1H-PYRAZOLE-5-CARBOXAMIDE, 3-BROMO-N-(4-CHLORO-2-METHYL-6-((M  
L43 1 SEA ABB=ON PLU=ON "1H-PYRAZOLE-5-CARBOXAMIDE, 3-BROMO-N-(4-CH  
LORO-2-METHYL-6-((METHYLAMINO)CARBONYL)PHENYL)-1-(3-CHLORO-2-PY  
RIDINYL)-"/CN  
SEL RN L36  
L44 62 SEA ABB=ON PLU=ON (203313-25-1/CRN OR 382608-10-8/CRN) OR  
L36  
SEL RN L37  
L45 295 SEA ABB=ON PLU=ON 158062-67-0/CRN OR L37  
SEL RN L43  
L46 67 SEA ABB=ON PLU=ON 500008-45-7/CRN OR L43  
  
FILE 'CAPLUS' ENTERED AT 11:10:07 ON 11 SEP 2008  
L47 30 SEA ABB=ON PLU=ON (L44 OR L45) AND L46  
  
FILE 'HCAPLUS' ENTERED AT 11:10:44 ON 11 SEP 2008  
L48 30 SEA ABB=ON PLU=ON L47 AND L30